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OF THE

GEOLOGY AND MINERAL RESOURCES OF CALIFORNIA

TO DECEMBER 31, 1930

BY
SOLON SHEDD

BULLETIN No. 104

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DIVISION OF MINES
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San Francisco] BULLETIN No. 104 [March, 1932

Bibliography

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By
SOLON SHEDD
Stanford University, California

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LETTER OF TRANSMITTAL

March, 1932.

To His Excellency,
The Honorable James Rolph, Jr.,
Governor of the State of California.

SIR: I have the honor to transmit herewith Bulletin No. 104 of the State Division of Mines, being a "Bibliography of the Geology and Mineral Resources of California." One of the first and important undertakings in a comprehensive and coordinated geological survey such as is now under way through the means of the "Special Item for Geological Survey" in the appropriation for the support of the Division of Mines, is the cataloging of all the published data, maps, and reports which have dealt with items and areas concerning the geology and minerals of the State.

Such a catalogue and index had already been started by Dr. Solon Shedd, librarian of the Branner Memorial (Geological) Library at Stanford University, and through cooperative arrangement has been completed and is now presented as the bulletin herein.

Respectfully submitted.

WALTER W. BRADLEY,
State Mineralogist.

31835

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FOREWORD

This bulletin represents the results of about four years of careful and methodical labor on the part of its author, Dr. Solon Shedd, who has devoted his time and thought to assembling into one volume this vast number of references, all dealing with the geology and mineral resources of California. The work is a noble contribution not only to science but to industry as well. His compensation has been in the satisfaction of performing a useful and lasting work. We owe to him our deepest gratitude for this scholarly and practical volume.

The part that the Geologic Branch of the California State Division of Mines has taken in the preparation of this bulletin has been in supplying clerical assistance as well as attending to the publication of the work. Assistance has been secured directly from a large number of authors who have contributed to the geology of California, and many other individuals who have been interested in the undertaking.

The present volume represents a second edition so far as the bibliographic section is concerned. In addition, publications for the year 1930 are included and the entire work is indexed according to subject matter. Before publication of even the preliminary issue, the galley proofs were cut and submitted to the individual authors, where they could be found, for correction and emendation of the proof.

A bibliography of this sort, beginning with the first explorations of which we have any record in this State, calls forth an interest in the history of those who first made geologic discoveries in the region. To go into this historical phase very deeply, one could write many volumes. A summary chapter, "Pioneers in the Geology of California," by Dr. Frank Marion Anderson, appears in this bulletin and should serve as an introduction to the earlier contributors to the science in California, who have since passed away, but who have left monuments of attainment. To Doctor Anderson we here acknowledge appreciation of his kindness in contributing the historical chapter.

It is the plan of the Geologic Branch of the Division of Mines to prepare supplementary chapters to Doctor Shedd's Bibliography which will record references to new articles on the geology of California as they appear from year to year.

March, 1932. OLAF P. JENKINS,
Chief Geologist, Geologic Branch, Division of Mines.

AUTHOR'S PREFACE

The bibliography forming Part I of this bulletin includes publications dealing with geology, paleontology, mineralogy, petrology, economic mineral resources, and related subjects of California. Geographic and descriptive writings, containing any material as regards the geology of the State, are also included. An attempt has been made to list all the literature that in any way might be a help to anyone searching for information on the geology and mineral resources of California. The plan followed in the preparation of this bibliography has been very largely that used by Nickles in his "Geologic Literature of North America 1785–1918," Bulletins 746 and 747 of the United States Geological Survey.

The entries in the bibliography are made in a definite way. First comes the name of the author, then the title of the article, followed by the citation. In most cases the citation is greatly abbreviated and given in a fixed order as follows: The publication, then, in the case of serials, the number of the volume, followed by a colon and the inclusive pages, after which comes, in parentheses, the year of publication. In case the volume is in a numbered series, this number, unless it is the first series, appears in parentheses just before the volume number. When the issues are paged separately the serial number is given immediately following the volume number.

The papers of each author are listed in chronologic order by years but no definite order of arrangement is attempted for the papers in any particular year. When papers form a part of a volume that may continue for more than one year, the date on the title page of the volume has been used as the date of issue. Each reference bears an index number, consisting of the last two figures of the year of publication. This is followed by a small letter, should there be listed more than one paper by the same author in any year. These index symbols are made use of in Part II (Index) for the purpose of finding the references cited in Part I (Bibliography).

The Index to the Bibliography, Part II, is arranged alphabetically with cross-references according to subject as shown in the title of the article. In the Index, the titles have been very much shortened. The intention has been to give as much information in the index as possible and make the references easy to find.

In the compilation of this Bibliography, free use has been made of various bibliographies dealing with geological literature, and related subjects on North America. By far the most helpful have been those prepared by Mr. John M. Nickles, published by the United States Geological Survey. Bulletins 746 and 747, "Geological Literature of North America," have been in constant use and have saved me a very large amount of time and labor.

To the late James Perrin Smith, I am especially indebted for his valuable suggestions and kind help in various ways. He it was who persuaded me to undertake this work, and if it is of value, he should have the credit largely for it. To Mr. Walter W. Bradley, State Mineralogist, and Mr. Olaf P. Jenkins, Chief Geologist of the California State Division of Mines, I am under obligations for helpful suggestions and advice. To Mr. Francis P. Farquhar I am under obligations for permission to consult his valuable library of literature dealing with California and for personal help given. I am also deeply indebted to Mrs. Vera Muller for her very careful work in looking up references in various libraries and her help in many other ways. In the preparation of this final edition I am under obligations to Miss Mary Balch for help, especially in reading proof. To all those persons who were so kind as to take time to check their list of publications, I herewith express my sincere thanks for helpful suggestions and advice. While it is not possible to mention individually each one from whom help has been received, I wish to say that I appreciate fully any help and suggestions that I have received from any source and hereby acknowledge my gratitude.

The author hopes the labor expended in the preparation of this work will be of service to those who are interested in the study of the geology of California and its mineral resources. It is too much to expect that this Bibliography will be found to be perfect, as errors and omissions will undoubtedly be found, but I hope their number will not be large.

SOLON SHEDD.

Stanford University, California.
March 21, 1932.

PIONEERS IN THE GEOLOGY OF CALIFORNIA

By Frank M. Anderson [1]

INTRODUCTION

The following brief biographical notes concerning the pioneers who laid the foundation for geological knowledge in California are not intended as adequate recognition of their achievement. In this limited space it must suffice only to mention the names, or at most, the special attainments of some of them in the broad field of geologic endeavor. Readers who require more complete information may be referred to the literature cited in the Bibliography which this chapter accompanies. It is hoped that these notes will serve to recall to memory those pioneers, much of whose work was done under conditions of hardship and privation which are difficult to imagine today.

Many men who glimpsed the potential wealth of California and aided in fostering its development are not even so much as mentioned here. A volume could be devoted to these pioneers whose services have been of such high material consequence. Even so, it would be difficult to do justice either to the men themselves or to the cause for which they labored.

No biographical sketch is included in this chapter of the works of geologists who are still living. The following descriptions have been arranged, for the most part, chronologically.

ACKNOWLEDGMENTS

In the preparation of these brief accounts, much use has been made of Merrill's biographical summaries,[2] and to incidental notes in Farquhar's Journal of William H. Brewer [3] (1930), a description of the activities of the second geological survey of California, 1860 to 1864. The preliminary Bibliography by Solon Shedd [4] has also been invaluable, as have his personal aid and published contributions. Many thanks are also due to Olaf P. Jenkins for suggestions and personal aid.

Most of the illustrations which accompany this chapter have been very kindly loaned to the State Division of Mines for publication herein, and acknowledgment with thanks for the courtesies are due to the contributors who are listed as follows: To the United States National

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[1] Honorary Curator of Paleontology, California Academy of Sciences, Golden Gate Park, San Francisco.

[2] Merrill, George P.; Contributions to the History of American Geology: Smith. Inst., An. Rept., Year Ending June 30, 1904 (1906), pp. 189–733.

——————; Contributions to a History of American State Geological and Natural History Surveys, U. S. Nat. Mus.; Smith. Inst., Bull. 104, 544, pp. (1920).

——————; The First One Hundred Years of American Geology, 773 pp. Yale Univ. Press (1924).

[3] Farquhar, Francis P. (Editor); Up and Down California in 1860–1864. The Journal of William H. Brewer, Professor of Agriculture in the Sheffield Scientific School from 1861 to 1903: Yale Univ. Press, New Haven, 1931.

[4] Shedd, Solon; Bibliography of the Geology and Mineral Resources of California to the End of 1929 (Preliminary edition only, subject to revision): Dept. Nat. Res., Div. Mines, Geol. Branch, Bull. 104 (1931).

Museum for half-tone cuts, used by the late J. P. Merrill, of Frémont, Lesquereux, Leidy, Conrad, and Meek. To the Yale University Press for half-tone cuts, used by the late J. P. Merrill, of Tyson, Antisell, Trask, Blake, Marcou, Newberry, King, and Le Conte. To the Geological Society of America for the half-tone cut of Diller and for use of the picture of Gilbert. To the Stanford Illustrated Review, and to the Geological and Mining Society of American Universities (Stanford) for half-tone cuts of Branner and Smith, respectively.

JAMES D. DANA (1813–1895)

One of the first geologists to explore California was James D. Dana, who was attached to the Wilkes Exploring Expedition. Leaving Astoria, Oregon, by pack-train in the summer of 1841 his party traversed western Oregon and entered California by the Siskiyou-Sacramento route, reaching the Klamath River on September 30 of that year. The party followed the course of the Sacramento River from Mount Shasta southward; then traversed the eastern side of the great valley to "Sutter's Settlement," near Sacramento. From there Dana went by boat to San Francisco Bay.

Although his more important notes refer to the surface aspects of the country—the mountains, rivers, and valleys, and their immense potential possibilities, mineral and agricultural, Dana also made many valuable geological observations. The extensive prairies of the Sacramento Valley were a source of surprise and wonder to him, and his accounts doubtless stimulated American immigration hither. His published articles[5] give the first authentic information as to the volcanic geology of the Mount Shasta region, and of the crystalline and metamorphic rocks of the "Shasta Mountains" to the south.

While his explorations and notes antedated the discovery of gold in California, the reports were not published until 1849. As a result, the geologic background of this discovery, and of its significance, received only foot-note mention, although in these notes he gives a brief but correct prediction of the possible extent and value of the "gold district," and of the geologic character of the formations.

As an American geologist, Dana ranks among the foremost of his time. Some of the most valuable geologic results of the Wilkes Exploring Expedition are found in Dana's accounts of the geologic conditions of the Hawaiian Islands and other groups in the Pacific, and of northern and western Oregon and Washington.

Dana later became Professor of Geology at Yale University. He is the author of numerous and valuable works, including his Manual of Geology which has gone through several editions. The fourth (1895) and later editions of the Manual contain a compendium of the known geologic features of California. Few writers have had a greater or more valuable influence upon the direction of geologic study in this country.

JOHN C. FRÉMONT (1813–1890)

No account of the history, geography, topography, or geology of California is quite complete without some reference to the work of the indomitable explorer, Colonel John C. Frémont, who has left his name in California in so many ineffaceable monuments. His geologic notes, although meager, were valuable as indicating features of importance in the early occupation of the territory.

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[5] Dana, J. D.: Amer. Jour. Sci., 2d ser, vol. 7, 1849, pp. 247–264, and 376–394.—Wilkes Expl. Exped. vol. 10, 1849, pp.622–678, etc.

The narratives of Frémont's expeditions into California are incidentally filled not only with evidences of adventure and determination under conditions of extreme hardship, but they also reflect much of the geology of the regions traversed in his various explorations. His second western expedition, in 1844, led him across the Sierra Nevada near Lake Tahoe and the American River, then southward through the San Joaquin Valley to Tehachapi Pass through the Mojave Desert and the Colorado Plateau in Arizona. His third expedition, by way of Salt Lake, led to Walker Lake and Walker River, and again across the Sierra Nevada by way of the American River, and southward through the San Joaquin Valley to Kings River, and thence to Monterey.

His reports contain the first authentic accounts of the crystalline rocks, granitic, metamorphic, and volcanic, at the core of the Sierra Nevada, as well as the first suggestion as to the relation of this range to the Great Basin lying to the eastward. These accounts, published in 1845, 1846, and later, were widely and eagerly read by geologists and explorers, and later by gold seekers and argonauts of every class, not only in America, but in many other countries as well.

The discovery of gold in the river gravels of California in 1848 not only led to immediate excitement and activity in mining by resident Californians, but it also aroused a wide interest in other lands and started migrations westward. At the same time it created a demand for information concerning the extent of these mineral riches, and the geologic character of the country, as well as the routes by which these gold-laden streams and fertile valleys of California could be reached.

THE UNITED STATES AND MEXICAN BOUNDARY SURVEY (1849–1851)

This survey, although made by a joint commission, was under the command of Lieutenant Colonel William H. Emory, who represented the United States Government. The American personnel included also C. C. Parry, geologist, and Arthur Schott, assistant. The determinative paleontologic work was done by James Hall and T. A. Conrad. The published reports appeared in two quarto volumes, of which the first volume contains nearly all of the geologic and paleontologic data.

WILLIAM H. EMORY (1811–1887)

Emory had previously been engaged upon a military reconnaissance expedition from Fort Leavenworth, Missouri, to San Diego, California (1846–1847), an account of which was published.[6] With exception of a profile, however, it contains little of the geology of California.

The American part of the Commission for the Boundary Survey reached San Diego June 1, 1849, and the Mexican part arrived on July 3, following. The work of the survey began soon after, and proceeded eastward to the mouth of the Rio Grande.

In his reports of the Boundary Survey, Emory contributed much of indirect geologic value (Vol. 1, Part 1), the portion pertaining to southern California being included within 30 pages. These accounts are designed to relate primarily to the general work of the survey, but incidentally they give much information as to physical aspects of the country traversed. They contain a profile sketch extending from the Pacific Ocean to the Gulf of California.

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[6] Emory, William H.; Am. Jour. Sci., vol. 6, 1848, pp. 376–392, with geologic data by C. C. Parry.

PHILIP T. TYSON (1799–1877)

The first official report bearing primarily upon the geologic features of California was by Philip T. Tyson, which appeared first as Senate Ex. Document No. 47, Washington, 1850. Tyson seems to have come into California in 1849 as a private citizen, but so great was the demand for information regarding this region that upon his return to the East he made a report to Colonel J. J. Abert which formed the basis of the document named above. This report gave eight sectional sketches across the gold country, two of which extended from the coast to the Sierra Nevada. They were outline sketches only, and there was no attempt to represent the scale. Tyson described the west flank of the Sierra Nevada as consisting of masses of metamorphic rocks, including slates, which were said to contain the auriferous quartz veins, the breaking down of which had supplied the gold found in the gravels of the rivers and smaller streams. His report seems to have been written as a warning to over-adventurous gold seekers and investors. While the report dealt particularly with gold and quicksilver deposits and mines, it included other minerals also, as bitumen and coal. It also contained a report by General Ord and the results of his explorations up to that time.

C. G. VON EHRENBERG (1795–1886)

The first mention of the occurrence of micro-organisms in some of the strata of California was by von Ehrenberg, under the title of "Infusoria in California," Berlin, 1852. The paper seems to have attracted the attention only of students of such organisms, the geologic significance of the discovery being almost wholly unknown. Later, 1854, the *American Journal of Science* published a list of some 68 species of such *infusoria* from California, most of which were probably *diatomaceae*. This paper was prepared by J. W. Bailey, West Point, under the title "* * * Diatomaceae in California and Oregon." The organisms were said to have been found in a "light, white, chalky substance, made up entirely of marine diatoms." They were subsequently studied by A. M. Edwards, 1870, without mention of their significance beyond the importance of their classification as *diatomaceae*. This purely biologic work of von Ehrenberg, Bailey, and others, done without any economic motive, caught the attention of J. D. Whitney, then State Geologist, who was much impressed (1865) by the enormous extent and the bituminous character of the diatomaceous deposits in California. He recognized (1867) their real significance as a source material for petroleum, although he seems to have only glimpsed their vast economic importance to the State, and to its petroleum industry.

JOHN B. TRASK (1824–1879)

Among the most important of the earlier writers on the geology of California was John B. Trask. He had, because of his own interest in the subject, acquired considerable information as to the geology of the State. This information was partly embodied in a preliminary report of a special committee favoring a geological survey of the State, April, 1853, and as such was well received. Trask later became the first State Geologist of California, 1853, and published various reports upon the geology of different sections of the State. His first report, "Geology of the Sierra Nevada," 1853, was limited to 2000 copies.

During the three years following, Trask prepared a number of similar reports, including a report on the geology of the Coast Ranges, 1854, and of other parts of the State, published as Assembly Document No. 9 and Senate Document No. 14, 1854–55. He also made other contributions, published by other institutions, including the California Academy of Sciences, in the *Proceedings* of which (1855–56) he described various Cretaceous fossils found in northern California. This constituted the first information published as to the occurrence of Cretaceous deposits on the Pacific coast. Senate Document No. 14, 1855, contained a description of the topographic and geologic aspects of the Coast Ranges, including their Tertiary and older deposits, notes on the geology of various mineral districts of the State extending from Shasta and Trinity counties on the north, to Los Angeles and San Bernardino counties on the south. The work of Trask was an important factor in calling public attention to the great economic value of geologic work in California. The interest thus aroused later led to the authorization, 1860, of the second geological survey of California.

THE PACIFIC RAILROAD REPORTS (1853–1857)

In accordance with Acts of Congress, 1853, a number of expeditions were sent out by the War Department during 1853 and 1854 for the purpose of exploring routes for a proposed railroad line from the Mississippi River to the Pacific coast. These expeditions were all under the command of military officers, and were accompanied by geologists and naturalists whose reports were included with that of the officer in charge of the expedition.

EXPEDITION OF LIEUTENANT A. W. WHIPPLE (1853–1856)

The expedition under the command of Lieutenant A. W. Whipple entered California by way of the Rio Colorado at Needles, and from there followed a westerly route to the Mojave River and to Los Angeles. The report of Whipple, including those of James Hall, W. P. Blake, and Jules Marcou, covers some 50 quarto pages of the Pacific Railroad Report, Vol. 3, 1856. Hall reported only upon the Paleozoic and Cretaceous fossils collected by the expedition, mostly outside California.

JULES MARCOU (1824–1898)

Although not a native of the United States, Jules Marcou was for some time employed by the United States Government, and accompanied the expedition of Lieutenant Whipple in the capacity of geologist. His collections and brief notes were submitted to W. P. Blake, who was office geologist in Washington for these surveys, and translations of the notes were made by him, supplemented by a résumé of the same by Marcou himself. These notes contain some information pertaining to the geology of the country along the route followed by the expedition (1854). Among the more important contributions of Marcou to the geologic literature of California is one published in French, relating to the occurrence and character of the gold-bearing veins of California (Geneva, 1855). Another paper on the geology of California was printed in German (1883). In addition to these reports, Marcou published a number of others in English, French, and German, relative to California and other western states. In all, there are credited to him some fourteen contributions bearing to some extent upon the geology of California.

LIEUTENANT R. S. WILLIAMSON

Another of the expeditions set out by the War Department for railroad explorations was under the command of Lieutenant R. S. Williamson. This expedition left San Francisco early in July, 1853, and proceeded southward by way of the San Joaquin Valley for the purpose of exploring the passes of the Sierra Nevada. Williamson's personal report, covering 36 pages in all, is largely geographic and topographic in character, containing but little geological matter.

The expedition was accompanied, however, by William P. Blake as geologist, to whose report, embraced in that of Williamson, we are indebted for most of the narrative and for many valuable notes on the geology of the regions traversed by the expedition. In the appendix to Williamson's report are found articles by Louis Agassiz on the fossil fishes collected, and by T. A. Conrad on the fossil shells obtained upon the route.

Williamson later made a second expedition which carried his explorations into northern California and Oregon. He was accompanied by J. S. Newberry as geologist.

WILLIAM P. BLAKE (1826–1910)

The first expedition of R. S. Williamson was accompanied by William P. Blake as geologist, who reached California by way of Panama. Blake's report, included in that of Williamson, begins with an account of the geology of the Isthmus of Panama. He joined the expedition at San Francisco, and with it left Benicia on July 10, 1853, proceeding from there up the San Joaquin Valley to Tejon Pass, the Mojave Desert and Williamson's Pass at the head of the Santa Clara River, into the San Fernando and Los Angeles valleys, to Fort Yuma on the Rio Colorado. Blake's report of the expedition covers some 300 quarto pages of the Williamson report, and contains not only an itinerary account of the same, but also various profiles and maps illustrative of the geologic features of the regions traversed by the party. Up to the time of its publication, this report constituted the most comprehensive and important contribution to the geology of California that had appeared, and it is still worthy of review by students of the geologic literature of California.

Blake's observations and published accounts pertaining to California were by no means confined to the reports of the Pacific Railroad Survey. He published many additional notes and geological papers through the medium of other channels, including the California Academy of Sciences, in which are found some of his more important contributions.

In the summer of 1854, Blake made a rapid tour through the gold regions of the Sierra Nevada and of other areas. The number of contributions to the geology of California and related topics, bearing his name, between 1854 and 1915, numbered no less than seventy, although not all of them were the result of his own individual work, nor were they all printed in English. Among these various papers may be mentioned, ''Quicksilver Mines of Almaden, California,'' 1854; ''Sur l'action des anciens glaciers dans la Sierra Nevada,'' 1867; ''Miscellaneous Notices,'' 1868; ''New Mineral Oil Regions of the Tulare Valley,'' 1868; ''Contributions to the Geology and Mineralogy of California,'' 1881; ''Glacial Erosion and the Origin of the Yosemite Valley,'' 1900.

Although in 1894 Blake became Director of the Arizona School of Mines at Tucson, where he remained until his death in 1910, he never lost interest in the geology of California.

Blake's pioneer work in California deserves the grateful recognition of all students for its geology. Though the work was done in the early days and under conditions of trying hardship and privation, but few of his successors have left more accurate and lasting records in the science.

JOHN S. NEWBERRY (1822–1892)

The second expedition of Lieutenant Williamson, which extended to northern California and Oregon, was accompanied by J. S. Newberry as geologist. It reached San Francisco on May 30, 1855, and on July 10 left Benicia for the upper valley of the Sacramento River. Newberry's report on the geologic features of northern California covers in all some 30 pages. In it, he briefly describes the geology of the region about San Francisco Bay and Mount Diablo, and also of the Sacramento Valley. He observed and recorded the volcanic character of Lassen Peak and the wide-spread agglomerate effusions.

Among other features of the country, Newberry refers to Cretaceous rocks southwest of Redding, and to Paleozoic limestones about the lower Pit River and its tributaries. The surface geology of the upper Pit River region and of the Klamath basin forms another notable feature of his report, in which he frequently refers to the work of Trask and to that of others who had preceded him.

From the Sacramento Valley, the route of the expedition led along the course of the Pit River to near its head. Much information is reported as regards the character and composition of the mountain ranges between Lassen Peak and Mount Shasta, which constitute the connecting link between these volcanic cones and the Sierra Nevada, the Klamath Mountains, and the Cascade Range in Oregon. From Pit

River, the party turned northward into Oregon by way of Tule (Rhett) Lake and the Klamath basin.

The report of the expedition, published in 1857, forms an important unit in the development of the geologic literature of the State. Newberry later made various contributions to this literature in geologic and other journals. On account of the clearness of his views and of his writings, he was widely known as a scientist, a geologist, and a writer of unusual insight and spirit. Besides his geological writings, he was noted for his work in anthropology, botany, and especially paleobotany. Like many other men of science of that time, he devoted much space to theoretical discussions, and made notable contributions to the theories then current as to the origin and classification of gold and other ore deposits, the genesis of petroleum, and also of serpentine and other mineral substances.

EXPEDITION OF LIEUTENANT JOHN G. PARKE (1854)

An expedition sent out by the War Department, under the command of Lieutenant John G. Parke, began its work in California at Benicia and Martinez in November, 1854. From Benicia, the expedition proceeded southward by way of San Jose, the Salinas Valley, San Luis Obispo, and Santa Barbara to Los Angeles; an excursion was made to the Mojave River and its sink, and later another one extended the work to San Diego.

The report of Lieutenant Parke contains much matter of a topographical character, but little that is strictly geological. The route followed left California at Fort Yuma on the Rio Colorado. This expedition, as well as many of its side excursions, was accompanied by Thomas Antisell, who served as geologist.

THOMAS ANTISELL (1817–1893)

Antisell is said to have been of French-Huguenot origin, and came to America at the age of 30. His interest in geologic science led him to many fields. He became connected with the expedition of Lieutenant Parke in 1855, and with it did excellent work. He appears to have been the first to recognize the Miocene age of much of the strata in the Coast Ranges south of San Francisco Bay, and the post-Miocene age of the greater uplift of these ranges. His report covers some 200 pages, to which is added a number of sketches and profiles illustrative of the structures found in the various districts traversed by the party to which he was attached.

The paleontologic determinations of the fossil invertebrates collected by the expedition, as in all of the Pacific Railroad surveys, were made by T. A. Conrad at the Academy of Natural Sciences at Philadelphia, while the vertebrate remains were sent to Louis Agassiz at Harvard University.

The Antisell report deals with most of the notable features of the regions traversed, including physical geography, geology, geologic structures, climate, and vegetable productions. Most of the individual mountain ranges, rivers, and valleys are briefly described, throughout the entire coastal zone between San Francisco and the Mexican boundary.

Among the noteworthy features of the Antisell report is a geologic map of the entire Coast Range region, and a chapter pertaining to their "bituminous effusions." Most of the known occurrences of bitumen, or bituminous rock, in the Coast Range are noted, although they do not seem to have been regarded as evidence of commercial deposits of petroleum.

In Antisell's accounts, he reflects the views current at that time, including those of the best informed geologists.

THE COLORADO EXPLORING EXPEDITION (1857–1858) (IVES AND NEWBERRY)

This expedition, sent out by the War Department, was in the charge of Lieutenant Joseph C. Ives, and had the purpose of ascertaining the navigability of the Colorado River from the Gulf of California. The explorers reached San Francisco in October, 1857, where they were grouped into three parties, all of whom were directed to the Colorado River. The exploring vessel was sent from San Francisco by way of the Gulf of California, and thence up the Colorado River as far as Fort Defiance.

The account given by Lieutenant Ives of the Colorado Exploring Expedition was embodied in a report to the War Department. It relates primarily to the itinerary of the expedition, its success and the difficulties it encountered. Incidentally, much information is given as to the physical features of the region traversed and in addition something of the geology. Ives was a topographical engineer and described the mountains, valleys, rivers and general hydrography. The expedition was accompanied by the able and observant J. S. Newberry, whose accounts illuminate the geological features of the route.

J. S. Newberry, whose report forms the chief geologic contribution of the Ives expedition, left San Francisco by coast steamer, October 28, 1857, stopping at Monterey, San Luis Obispo, Santa Barbara, San Pedro, and San Diego. From San Diego he crossed the mountains eastward to the desert of Carriso Creek and thence proceeded to Yuma, where he joined the main party.

Newberry's account covers 132 pages, but is of general rather than of special character. Referring to the Coast, he notes that at various points between Monterey and San Diego "bituminous exudations form a feature so striking as to attract attention and excite the curiosity of all who visit that region." Other geologic features noted by him was the difference in axial trend of the mountains north and south of Point Concepcion; the difference in ages between the Sierra Nevada and Coast Ranges, the latter believed to be much the younger, dating subsequent to the Miocene epoch. Newberry gives some general notes on the geology of Lower California, stating that "the great mass of the peninsular mountains east of San Diego is composed of granitic and gneissoid rocks, to the almost entire exclusion of unchanged sedimentary strata" . . . He gives the first authentic account, although of general character, of the geology of Carriso Creek and Imperial Valley and of that of the lower Colorado River, except where it had been crossed by previous parties.

SURVEYS WEST OF THE 100TH MERIDIAN (1871–1873)

Under the direction of Lieutenant George M. Wheeler, of the United States Corps of Engineers, surveys were made west of the 100th Meridian. The reports on these surveys appeared in six volumes, published in 1875. Most of the geology is included in volume 3, which work covered parts of Nevada, Utah, California and Arizona. The assistant geologists of these surveys included G. K. Gilbert, A. R. Marvine, E. E. Howell and John J. Stevenson, besides Oscar Loew, who was mineralogist.

Although the Wheeler surveys covered much of the Great Basin, they included California only in its most southeastern part, which area was traversed by Gilbert. It was his work with these surveys that first gave him insight into the Basin Range structures, for which he later became famous. It fell to Gilbert to extend his investigations into parts of Inyo County, including the region of Death Valley, Independence and Owens Lake and their environs. In his first report he gives brief descriptions of the physiographic features of this region and also something of its geology. The first authentic account of the Funeral, Panamint and Inyo ranges are found in his reports connected with the Wheeler Surveys.

TIMOTHY A. CONRAD (1803–1889)

T. A. Conrad was born in Philadelphia in 1803. As a paleontologist, if not as a geologist, he took an important part in the development of geologic knowledge concerning the western states, including California. His most important work was concerned with the Tertiary faunas of the Atlantic and southern states and it is doubtful if he ever actually visited California. Still his work on the fossil materials collected by the Pacific Railroad Surveys entitle him to a place among the pioneer workers of this State, and as a paleontologist for the Wilkes Exploring Expedition, and for other western surveys. He described many molluscan species common in the Tertiary beds of California as well. Conrad was first to point out the Eocene age of a part of the strata that by others had been included in the Cretaceous of California. His most valuable work was purely paleontological.

LEO LESQUEREUX (1806–1869)

Leo Lesquereux was born in Switzerland and came to America about 1848. He was for many years connected with the Hayden surveys until the time of his death. A report upon the fossil plants of the auriferous gravels of the Sierra Nevada, published at Cambridge, 1878, was one of the first contributions of this author to the geologic literature of California. This paper appeared in the *Memoirs* of the Museum of Comparative Zoology. Other contributions were later made in various journals and periodicals of the country.

SECOND GEOLOGICAL SURVEY OF CALIFORNIA

A second geological survey of California was authorized by an Act of Legislature, April 21, 1860, when John G. Downey was Governor. By the same act, J. D. Whitney was named as State Geologist. The organization of the survey was begun soon after. Whitney, bringing with him from Boston, William H. Brewer and William Ashburner as aids, arrived in San Francisco, November 14, 1860. Brewer was made first assistant, and the explorations of the survey were entrusted largely to him, while William Ashburner was retained as field assistant. To these were soon added Charles F. Hoffmann as topographical engineer, Chester Averill as accountant and field assistant, and F. Guirado as guide. Later, J. G. Cooper joined the staff as zoologist and ornithologist, and at the beginning of 1862, William M. Gabb as paleontologist, and later Auguste Remond as field assistant. The following year, 1863, the services of Clarence King and James T. Gardner as voluntary assistants were accepted by the survey. Each of these men deserves some recognition for having given valuable aid to the practical results of the survey.

The first year of the survey was devoted almost exclusively to the Coast Ranges, the field work under Brewer beginning in Los Angeles and San Bernardino counties, and proceeding from there northward to San Francisco Bay. This work, carried on in almost uncharted territory, was designed to be both topographical and geological in character, thus furnishing the essential basis for a logically conducted investigation. No accurate, or even valuable geological map could be made without the basis of some topographical data upon which to rest. Economic and industrial interests of all sorts would be better served by an adequate knowledge of the essential physiographic and geologic features of the country covered. Such seems to have been the plan of work during the first two years of the survey.

The second year, 1862, was devoted to continued examinations of the Coast Ranges, and of the Sierra Nevada. The work was begun in the Diablo Range, and later was extended to the Sierra Nevada and to the Coast Ranges north of San Francisco Bay. Excursions were made even into Nevada and into Oregon, following the requirements of a scientific study. The work of the survey, originally designed to be "an accurate and complete geological survey of the State," was soon extended to all its more accessible parts, from San Diego on the south to Oregon on the north, and from the seaboard to the crests of the Sierra Nevada.

Following the legislative limitations, the survey automatically expired April, 1864, without in any way reflecting upon its work. It was reestablished the same year, retaining Whitney as State Geologist, although appropriations for its support were much reduced, and accordingly also was the personnel of the organization. Nevertheless, valuable work was still carried on as before, though necessarily limited.

Although annual reports of progress were required of the State Geologist, and were rendered for each successive year, no formal publications were issued by him during the first years of his work. The accumulated data on economic geology although very valuable was not the first material to be published by the survey.

In 1864, *Paleontology*, Volume I, appeared, and in 1865, *Geology*, Volume I, was published. Although neither book could be called a complete treatise, both represented great advances in the development of geologic and geographic knowledge.

Paleontology, Volume I, was intended to represent only the Cretaceous and older periods, although in fact, it did contain descriptions of many Eocene forms. This fact, already alluded to, was first pointed out by T. A. Conrad, and later emphasized by Angelo Heilprin. In *Paleontology,* Volume I, the Triassic and "Cretaceous" fossils were described by William M. Gabb, the Paleozoic and Jurassic, by F. B. Meek.

Geology, Volume I, contains the observations of William H. Brewer and his party, extending to all parts of California where work had been done. Although this work was carried on under conditions of great hardship, and often of extreme privation, the report constitutes the most valuable and enduring work of the survey, and should have been the first of all the reports issued by it. Although containing little matter of economic importance, it has served as an essential basis for most of the advances that have since been made in this State. Whitney is said to have compiled an extensive geologic map of the regions where such work had been done, but this was never published.

Paleontology, Volume II, appeared in 1869, and was almost entirely the work of William M. Gabb. It contains descriptions of many Tertiary species of Mollusca. In the preface of this report, a new classification of the Cretaceous and Tertiary formations of California was proposed, and although not final, it was a great advance upon earlier attempts. The Tertiary strata were divided into the Tejon Group, later Eocene, and the Martinez Group, exact position unknown. The Cretaceous formations were divided into the Chico Group, regarded as upper Cretaceous, and the Shasta Group, a provisional name meant to include all of the older Cretaceous strata.

It is recorded that the Legislature of 1867–1868 failed to provide financial support for the continuance of explorations by the survey, although enough funds were provided subsequently for the publication of some of the reports prepared by it, including reports upon botany and ornithology.

Geology, Volume II, published at Cambridge, 1882, and financed chiefly by Whitney himself, contains contributions by W. A. Goodyear upon the coal mines about Mount Diablo, and the quicksilver mines throughout the State; a chapter by S. F. Peckham upon the bituminous substances of the Coast Ranges; and an article by William M. Gabb upon the geology of Lower California. This was published under the direction of Whitney, permission having been granted by the regents of the State university in whose hands the matter had been left.

The following biographical notes pertaining to the several men who were connected with the Whitney survey can not claim to be adequate recognition of their services, yet they may be sufficient to indicate the nature of the work each contributed to its final results.

JOSIAH DWIGHT WHITNEY (1819–1896)

Josiah Dwight Whitney was born in Northampton, Massachusetts. He was graduated at Yale in 1839. Before coming to California, he had been connected with a number of state and other surveys, having been associated with James Hall on the geological survey of Iowa and

Wisconsin. He came to California in 1860 to take charge of the newly authorized geological survey of this State. His principal work with this institution was its organization, plan, and administration, although he often went into the field in person. He succeeded in enlisting in this work men of ability, purpose, and energy, whose activities he guided along lines of logical and correlated procedure. The work of these men has already been given in outline in the preceding pages.

Among the many geologists who worked in California and made notable contributions to its literature prior to 1885, the name of Whitney is preeminent. A summary of his work and writings upon California geology is contained in the Bibliography, which this chapter accompanies, in which appear nearly 40 separate titles of published documents and papers, aside from the official publications of the survey. His aims were clearly above reproach. As expressed by Whitney himself in stating his desires with respect to the survey, they exhibit the highest ideals of geologic exploration by either state or nation. In an address before the State Legislature, January 30, 1868, he said, in part:

> "It is in every respect desirable also that the resources of the State should be made known to the world, under official guarantee of correctness, so that not only our own capitalists, but those of other countries, should have open to them a field for investment, in regard to which they may understand that they have some substantial basis of facts and reliable data for generalization . . ."

Such was the character of the survey under Whitney that it has maintained the respect of geologic workers everywhere. Although not the earliest state survey to be established, the aims and the methods employed in the Whitney survey have served as models in other states and even in the work of the United States Geological Survey, which was organized soon after the closing of Whitney's work in California. Among the many things for which Whitney must be given credit in this endeavor is that of initiating under Hoffmann a practical topographical base map; of placing upon this base the broader geologic features of the areas covered, and of attempting to show the geological relations of its economic deposits of all classes.

Whitney was the first to call attention to the great abundance and the vast economic importance of *diatomaceae* in the marine Tertiary deposits of California which in his conception was the prime source of petroleum in the State. In more recent time, this view has become current among writers upon Californian petroleum and its origin, without their being aware that this view had originated with Whitney during the course of his survey.

WILLIAM H. BREWER (1828–1910)

William H. Brewer was born in the State of New York, and was graduated from Yale University in 1852. By training, he was a chemist and geologist, but he had also considerable knowledge of botany. He came to California with Whitney in the latter part of 1860, and was connected with the State survey until 1864, when he was called to Yale University as professor of agriculture.

To Brewer was entrusted the immediate charge of the field explorations of the survey. During his connection with this work, Brewer visited most parts of California, noted for their mineral deposits of economic merit, and his reports to Whitney give much valuable information. Beside the narrative of the various explorations alluded to on the preceding pages, the record is largely filled with topographical observations and accounts of the geologic features of the country traversed by his parties. These observations and accounts constitute, in fact, the more important part of the volume published by Whitney in 1865 under title of *Geology,* Vol. I.

Besides these topographical and geological reports, he also made extensive collections and notes pertaining to the botany of the several districts in which he worked, and in consequence furnished materials for a valuable report upon the botany of California. In addition to his other work, he managed to keep a private daily journal descriptive of the country and his experiences in the form of letters which were addressed to his friends at home. These letters have recently been published.[7] Among Brewer's more notable contributions relating to California, are papers (1866 and 1868) dealing with the age of the gold-bearing rocks of California.

CLARENCE KING (1842–1901)

Clarence King was born in Rhode Island and was graduated from the Sheffield School of Mines in 1862. The following year he offered his services as volunteer assistant to the geological survey under Whitney and was accepted. He joined the party of Brewer for work in the Sierra Nevada where he soon distinguished himself for his energy, ability, and hardihood. What constituted King's contributions to the State survey is not fully known, since his bibliography contains few titles other than popular accounts. In 1868, he was placed in charge of the Survey of the Fortieth Parallel, organized by the office of the United States Engineers during that year. The reports of this survey have supplied a large amount of detailed and reliable information pertaining to the geologic constitution of northern and eastern California and of western Nevada. The First Annual Report of the United States Geological Survey, 1880, by Clarence King, including some 80 pages, is accompanied by a report of George F. Becker on the San Francisco, Eureka, and Bodie districts of California. King was among the first to ascend some of the highest summits of the Sierra Nevada, and his volume, "Mountaineering in the Sierra Nevada," contains many accounts of adventure and hardship, and also of thrilling scenes and experiences.

JAMES T. GARDNER (1842–1912)

J. T. Gardner (sometimes spelled "Gardiner") came to California from the Sheffield School of Mines with Clarence King in 1863, and with King joined the Whitney survey as a volunteer assistant. In his work in California, his name should be associated with those of Brewer, King, and C. F. Hoffmann, more especially in their work in the Sierra Nevada. His chief contribution to the results of the survey was in the form of maps and sketches of the various features of the region traversed by Brewer's party.

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[7] Farquhar, Francis P. (Editor); Up and Down California in 1860–1864. The Journal of William H. Brewer, Professor of Agriculture in the Sheffield Scientific School from 1861 to 1903. Yale Univ. Press, New Haven, 1931.

After leaving the Whitney survey, he joined King in the Survey of the Fortieth Parallel, 1867–78, and later became connected with the Hayden surveys.

CHARLES F. HOFFMANN (1838–1913)

Charles F. Hoffmann was born in Germany and was educated in engineering before coming to America. He became connected with the Whitney survey as topographical engineer in 1860, and remained with the survey until it ceased in 1874, although during 1871–72 he served as professor of topographical engineering at Harvard. Later, he practiced as a mining engineer at Virginia City, Nevada, followed by a period in San Francisco.

While connected with the State survey, his work in the preparation of maps, sketches and drawings won high praise among his associates and readers. Unfortunately, not all of his maps were published, but many of his sketches have appeared in Brewer's posthumous work, 1930.[8]

WILLIAM ASHBURNER (1813–1887)

William Ashburner came from Stockbridge, Massachusetts, and was a graduate of a school of mines in France. He came to California with Whitney in 1860 and was connected with the State survey as field assistant under William Brewer during the work of the latter in California. After leaving the geological survey, he practiced as a mining engineer in San Francisco, and for a time was connected with the department of mining at the University of California. He was later appointed a regent of the University of California, and was also a trustee of Stanford University.

Beside his geologic work while connected with the Whitney survey, he contributed an important article to the report of J. Ross Browne and J. W. Taylor, 1867, upon the geologic formations of the Pacific slope, and upon gold mining in California, including in it the principal characteristics of the gold belt.

JAMES G. COOPER (1830–1902)

J. G. Cooper was graduated from the College of Physicians and Surgeons, New York, 1851. In his scientific work, he was primarily a zoologist, and as such he entered the State survey under Whitney in 1861, and in this capacity explored many parts of California. His best work was probably done in this field, although Whitney credits him with many valuable notes on the geology of the State and of the islands off the coast of southern California. Some of his contributions are concerned with the Tertiary and living faunas of the West Coast. In 1871, he prepared a catalogue of the invertebrate fossils of this coast, and in 1894, his "Catalogue of California Fossils" was published as a bulletin by the California State Mining Bureau. In this paper, he described hitherto unknown Cretaceous and Tertiary fossils. Many of his semi-geologic papers were published by the California Academy of Sciences. The more important results of his work with the Whitney survey are embodied in the volume entitled *Ornithology,* Volume I, 1870.

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[8] Farquhar, Francis P.; *Op. cit.*

WILLIAM M. GABB (1839–1878)

William M. Gabb was born in Philadelphia. He joined the Whitney survey early in 1862 as paleontologist, and remained connected with it until 1869, although in 1868, he undertook a survey of Santo Domingo for private interests in New York. During his connection with the California survey, he acted at intervals as field assistant, but most of his work was that of paleontologist. His work with the survey included the recognition, description, and illustration of great numbers of fossil invertebrate species, and the recognition of formations belonging to a great succession of geologic periods, Triassic, Cretaceous, and Tertiary, hitherto unknown in the region. Considering the unexplored, highly disturbed, and often almost inaccessible condition of the geologic field, as well as the backward state of the science and its scattered literature, Gabb must be given great credit for the results he attained, notwithstanding some minor inaccuracies. He gave to the State and to his science the essential paleontologic facts pertaining to the periods covered, and the basis from which began all the advances that have since been made. To a great extent, the classification of the major California stratigraphic groups described by Whitney was primarily the work of Gabb.

His principal work for the Whitney survey is embodied in two quarto volumes, *Paleontology,* Volume I, 1864, and Volume II, 1869, although he also contributed data and interpretations for *Geology,* Volume I, 1865. Among other valuable papers which must be credited to him are a report upon the coal mines of the west coast, 1867, and a contribution upon the geologic features of the peninsula of Lower California in the report of J. Ross Browne on the mineral resources of the United States, 1868.

WATSON A. GOODYEAR

W. A. Goodyear's articles in *Geology,* Volume II, 1882, of the Geological Survey of California entitle him to recognition as one of its important contributors. Prior to the date of this publication, Goodyear is credited with important papers pertaining to various features of the geology of California, and especially economic features, some of which may be found in the *Proceedings* of the California Academy of Sciences, some in *Mineral Resources of the United States,* and some in the *Mining and Scientific Press.*

His most important works were on the coal mines of the West Coast in California and Oregon, and the quicksilver mines and the auriferous gravels of California. His later work was connected with the activities of the California State Mining Bureau, beginning with the Seventh Annual Report, 1888, and continuing in succeeding reports.

FIELDING B. MEEK (1817–1876)

F. B. Meek was born at Madison, Indiana. As a paleontologist, he was connected with various state surveys in the Middle West, and later with the Hayden surveys, beginning in 1853. In 1858, he went to Washington where he remained until his death. His part in the literature of California geology was chiefly as a paleontologist in which capacity he described and illustrated the Carboniferous and Jurassic fossils collected by the survey in *Paleontology,* Volume I, 1864. In this, as in all his work, his contributions are above reproach.

STEPHEN F. PECKHAM (1838–1918)

S. F. Peckham, although primarily a chemist doing private professional work in California, made valuable contributions to the literature of its geology. In Whitney's *Geology,* Volume II, 1882, Peckham supplied an important chapter giving the results of an examination of Pacific coast coals, and also upon the nature of the bituminous substances widely distributed in the southern counties. He later conducted many investigations for the Union Oil Company of California as to the character and technology of California petroleum, the results of which have, in part, been published. One of his more important papers was contained in the report of the Tenth Census of the United States, 1880–1884. In addition to giving a general discussion of the origin, occurrence, and nature of petroleum, he gave much information as to its distribution in the southern counties of California, and as to its source materials in the formations. Numerous papers by Peckham have appeared in various journals, which although primarily technological, contain much geological matter. Associated with him in much of his California work may be mentioned Frederick Salathé, who contributed a chapter upon the fractional analysis of certain California petroleums, Bulletin 19, California State Mining Bureau, 1900.

THE UNITED STATES GEOLOGICAL SURVEY

The United States Geological Survey was organized in 1879 as a consolidation of the various Federal surveys then in operation. Clarence King was appointed as its first director, and its first report was written by him. King had earlier been connected with the Whitney survey in California, and it appears that his scientific ideals, his practical purposes, and methods of procedure were greatly influenced by, if not derived from his contact with the work in California.

He held the directorship for only a year, resigning, it is said, in favor of Major J. W. Powell.

Some of the earlier as well as the later men enlisted in the Geological Survey have done notable work in California and its reports contain much valuable matter pertaining to the geology of this State and to its mineral resources. Some of the earlier geologists of the Survey worked almost exclusively in California for a number of years, and their reports are among the best in its geological literature.

Of the earlier geologists whose work in California deserves first recognition should be mentioned the names of Israel C. Russell, George F. Becker, Charles A. White, Josiah S. Diller, Grove K. Gilbert, George H. Eldridge, T. W. Stanton, Henry W. Turner, Waldemar Lindgren, F. L. Ransome, and W. C. Mendenhall. The last five of these pioneer geologists are, however, still living.

ISRAEL C. RUSSELL (1852–1906)

I. C. Russell was born and educated in the State of New York. His work in the western states began in 1881, in southern Oregon and extended into northern California only to the 41st parallel, and into adjoining parts of Nevada. His report (1884) deals chiefly with the orographic and tectonic features of the region included in his explorations. His later work in California was largely confined to the Sierra Nevada and the western margin of the Great Basin, and was to a great extent physiographic, although it included much of the glacial history of the high Sierra and of the region of Mono Lake.

His published papers pertaining to California have appeared only in part in the reports of the United States Geological Survey. Many are to be found in the publications of various scientific societies and popular magazines.

GROVE K. GILBERT (1843–1918)

G. K. Gilbert, like his associate, I. C. Russell, came from New York State, and was early connected with the Federal western surveys which covered primarily the region of the Great Basin, and only incidentally entered California. His work with these surveys dealt with both physiography and the study of tectonics. Subsequently he did much work in the Sierra Nevada and contributed various papers to the Quaternary history and glacial phenomena of these mountains. After the earthquake of 1906, he became a member of a commission appointed by the governor to investigate the geologic cause of the disaster and other important aspects, upon which beside the official report (1908) he contributed a number of papers not therein included. In his later years, he took up his residence in California.

WILLARD D. JOHNSON (1859–1917)[9]

Willard D. Johnson, an expert topographer of the United States Geological Survey, accompanied G. K. Gilbert during several seasons of his work in the Great Basin, and found his interest in geology stimulated by contact with that philosophical leader. Johnson was much more than a topographer. He was both artist and interpreter and while he contributed but little in writing, his graphic sketches and maps are invaluable records, because of their accuracy and their pictorial quality. Examples of them may be seen in the Lahontan report by Russell in the United States Geological Survey Annual Report 8, page 385, representing the Mono craters, etc.

GEORGE F. BECKER (1847–1919)

George F. Becker began his work in California with the organization of the present United States Geological Survey, and contributed an article to its first report, 1880, giving the results of a reconnaissance in three mineral districts of the State. Most of his subsequent work in California pertained to the quicksilver deposits of the Coast Ranges, and to their geologic relations and origin, although he made many contributions to the general stratigraphy of California as well as of other parts of the Pacific coast.

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[9] This account was kindly prepared by Dr. Bailey Willis.

Many of his papers were largely devoted to theoretical discussions, as suggested in some of the titles appearing in the Bibliography which this chapter accompanies. Not all of his writings were published by the United States Geological Survey; many appeared in the various scientific periodicals of the country. These papers include "The Relations of the Mineral Belts—to the Great Upheavals" (1884); "Cretaceous Metamorphic Rocks of California" (1886); "The Structures of a Portion of the Sierra Nevada of California" (1891); "The Crystalline Schists of the Coast Ranges of California" (1891). Associated with him in much of his work in California were C. A. White and H. W. Turner.

CHARLES A. WHITE (1826–1910)

C. A. White was primarily a paleontologist, and before doing any work in California had been connected with a number of western surveys. He was associated with Becker in much of his work in this State, providing the necessary paleontologic studies. He published various papers of his own, beside furnishing data for those of Becker. He was for many years connected with the National Museum. His Paleontological work extended from the Atlantic to the Pacific coast and included the study of formations ranging from Paleozoic to Tertiary.

Most of his work concerns the Cordilleran regions and the Middle West and is confined to the Mesozoic periods. Notes bearing upon California enter into many of his general papers as in "The North American Mesozoic" (1890) and the "Cretaceous Correlation Papers" (1891). White described a number of Cretaceous fossils from California and adjacent parts of Oregon. In 1885, he described a sequence of formations in California under the term "Chico-Tejon group," a name now abandoned.

CHARLES D. WALCOTT (1850–1927)

The work of Charles D. Walcott in California was chiefly concerned with the older Paleozoic formations, especially those of the Cambrian period. Such formations have been identified only in the White Mountains region of southeastern California, and it was here that Walcott found most to interest him in his geologic work in this State.

Most of his contributions to the subject have appeared in various issues of the *Annual Report* of the United States Geological Survey. One of his papers (1899) deals with pre-Cambrian formations, including those of California. Walcott was for many years after 1894 the Director of the United States Geological Survey.

JOSIAH S. DILLER (1850–1928)

J. S. Diller was a graduate of the Lawrence Scientific School at Harvard, 1879. He spent the next four years at Harvard and at Heidelberg, Germany, in the study of crystalline rocks and related subjects. He entered the U. S. Geological Survey in 1883, and his first work for the Survey was done in the Cascade Range with C. E. Dutton. Soon after, he ascended Mount Shasta and Lassen Peak, and certain mountains in Oregon. In 1884, he began a detailed study of Mount Shasta which work was extended to include nearly all of northwest California and western Oregon, and parts of the Sierra Nevada.

Diller was first to recognize the Klamath Mountains as a distinct group and much of his work in this State was devoted to an analysis of the geology of this great complex, a work which is still far from being finished. He published a report upon Lassen Peak in 1889, and upon Mount Shasta in 1895. In 1914, when Lassen began its renewed activities, he ascended the mountain to the top and later published accounts of this excursion and of the eruptions.

One general purpose of Diller's work was to establish the geologic relations and differences between the Klamath Mountains and the Sierra Nevada and Cascade ranges. Among his numerous papers we note the following: ''Notes on the Geology of Northern California'' (1886); ''A Tertiary Revolution in the Topography of the Pacific Coast'' (1894); ''Mount Shasta a Typical Volcano'' (1895); ''The Klamath Mountain Section of California'' (1903).

He was also the author of a number of United States Geological folios covering parts of Oregon and northern California and of various papers upon the geology of the same regions, for which he also prepared the ''Guidebook of the Western United States'' for the special use of railroad travelers.

Diller's best work in California was centered about Lassen Peak, Mount Shasta, and the Klamath Mountains, but was not confined to these districts. His stratigraphic work upon the Cretaceous and associated deposits of northern California with the cooperation of T. W. Stanton began in 1891, and was published in the *Bulletin* of the Geological Society of America in 1893, 1894, and 1908.

Diller's work was careful and systematic, and his writings bear evidence of his ability and willingness to consider his subject from many points of view.

GEORGE H. ELDRIDGE (1854–1905)

The work of George H. Eldridge in California began with his study of ''The Asphalt and Bituminous Rock Deposits in the United States,'' published in 1901. He was among pioneers in the study of petroleum and of its occurrences in California. His paper ''The Petroleum Industry of California'' (1902), gave an outline of the several fields then known, and of the formations in which petroleum occurs.

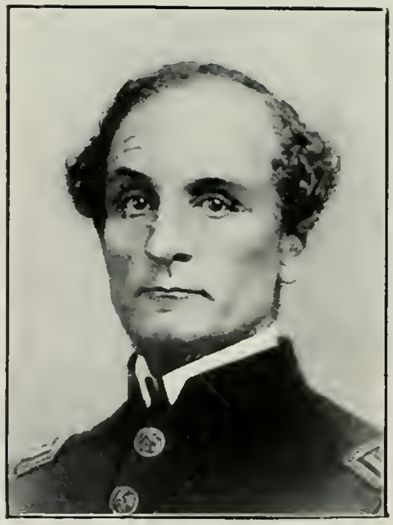
His more special work upon the oil fields of California began in 1901 and continued until his death. His manuscript notes on many of these fields were left unfinished. They dealt with the area from Monterey to Orange counties. This work was later carried on by Ralph Arnold and was published in various bulletins of the United States Geological Survey (1907, etc.) as nearly as was practicable in the manner and language of Eldridge.

Unfortunately, not all his notes were in themselves sufficiently complete for publication, although they supplied an important starting point from which later work proceeded. The text and geologic maps of the Santa Clara Valley and the Puente Hills bulletin were entirely the work of Eldridge.

JOHN CHARLES FRÉMONT (1813–1890), early explorer of the West, who gave the first authentic accounts of the crystalline rocks of the Sierra Nevada. His reports were eagerly read by many other explorers and geologists the world over. *(Courtesy of U. S. Nat. Mus.)*

(Left) PHILIP THOMAS TYSON (1799–1877), who reported in 1851 on geologic features of gold and quicksilver regions of California.

(Right) THOMAS ANTISELL (1817–1893), geologist of one of the Pacific Railroad Surveys into California.

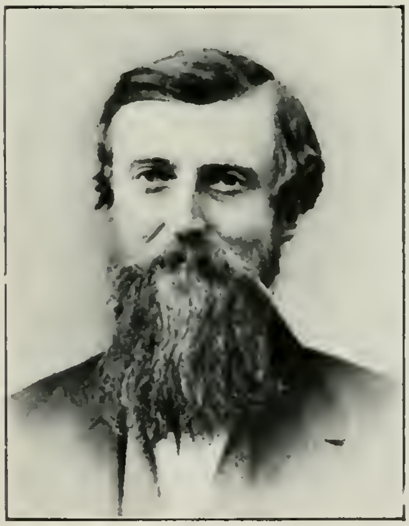


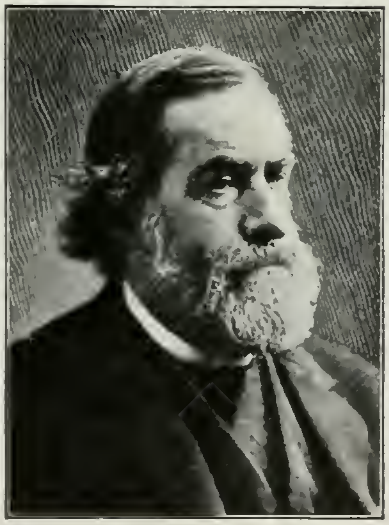
(Left) JOHN BOARDMAN TRASK (1824–1879), first State Geologist of California, 1853–1854, whose reports to the State were among the earliest contributions to the geology of the West.

(Right) WILLIAM PHIPPS BLAKE (1826–1910), a pioneer geologist of the Pacific Railroad Surveys. Blake contributed valuable reports on the geology of California and later became a professor of geology, first in California and then in Arizona.

(Cuts by courtesy of Yale University Press.)

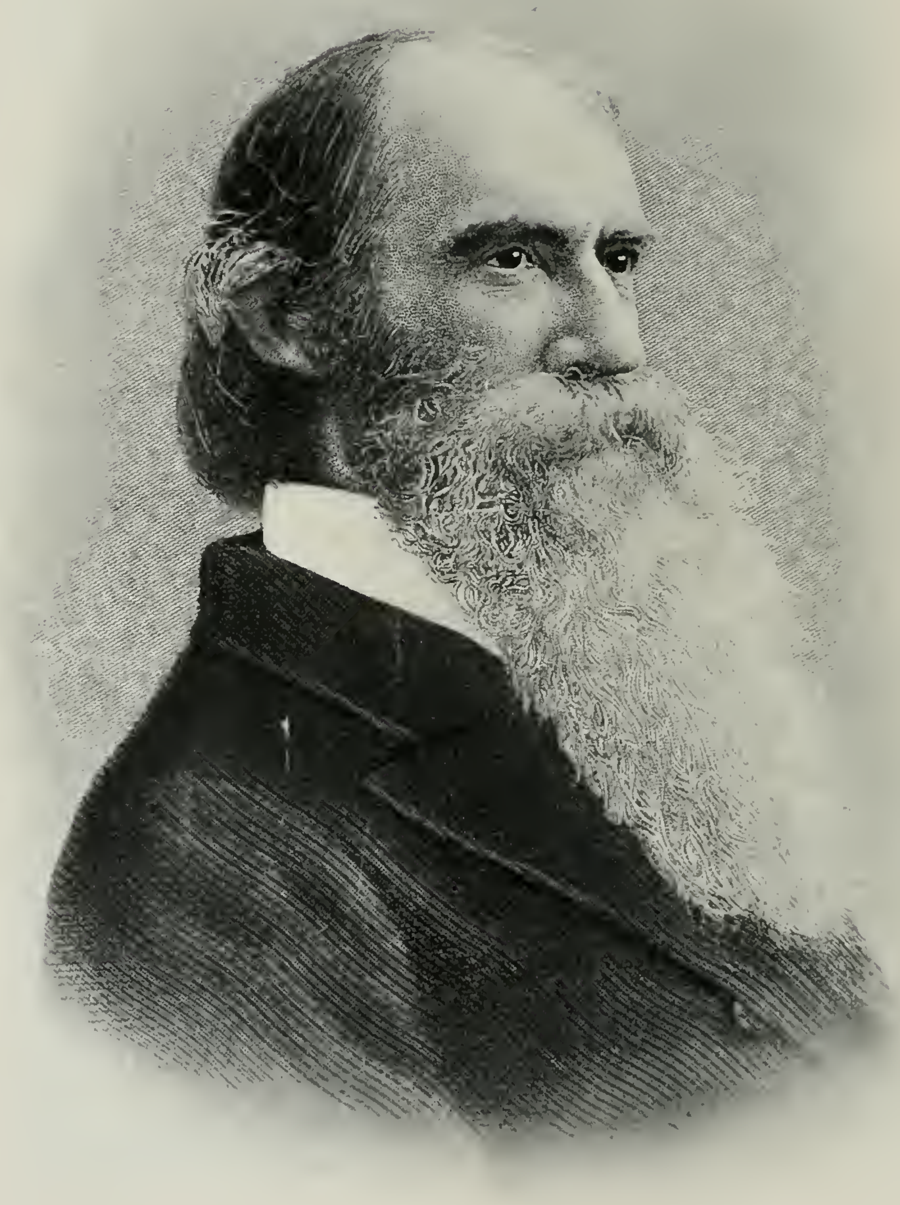
LEO LESQUEREUX (1806–1889), paleobotanist, who contributed an early report on the fossil plants of the auriferous gravels of the Sierra Nevada. *(Courtesy of U. S. Nat. Mus.)*



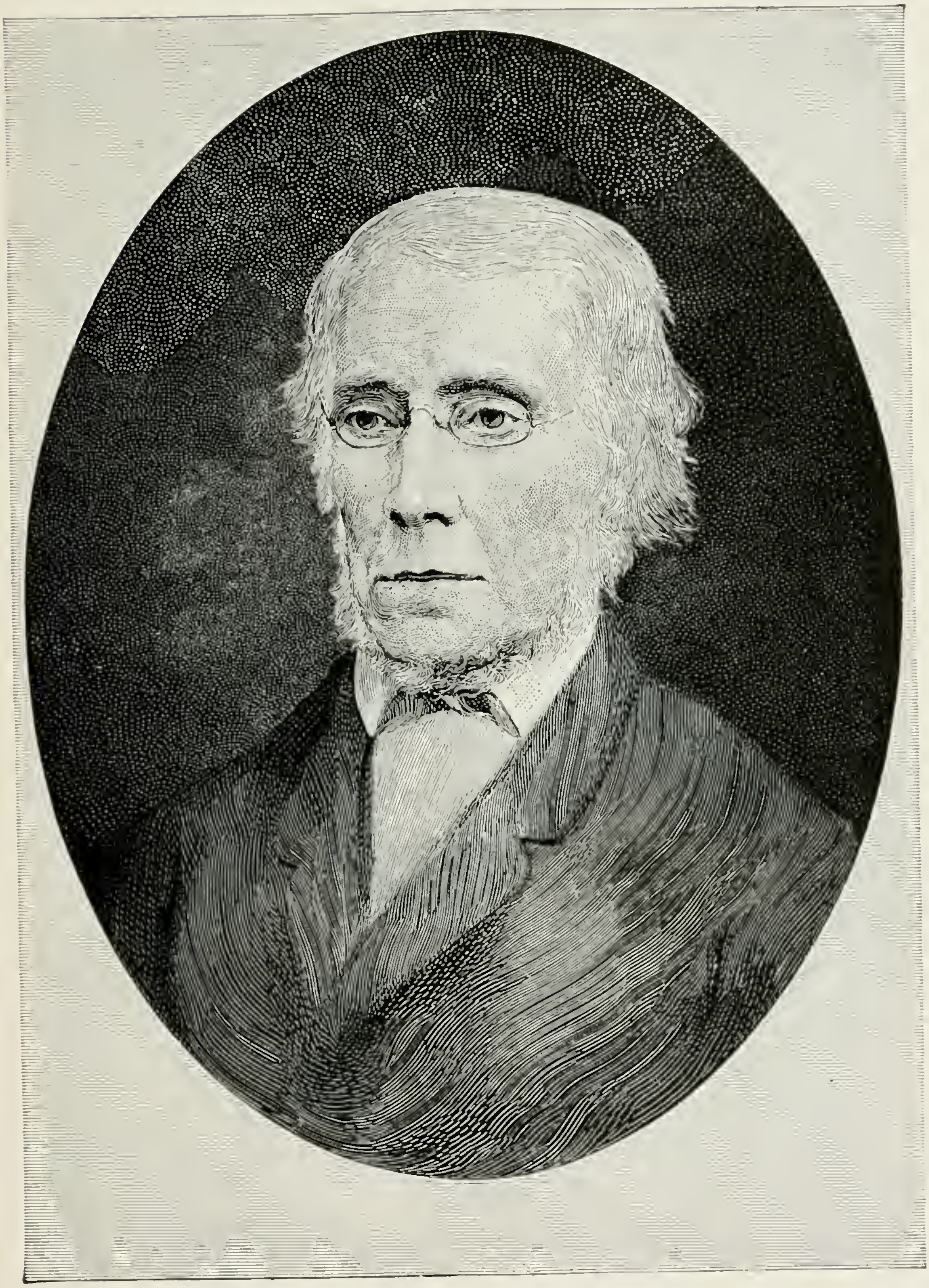


(Left) JULES MARCOU (1824–1898), French paleontologist, who accompanied some of the early explorations into the far West. *(Courtesy of Yale Univ. Press.)*

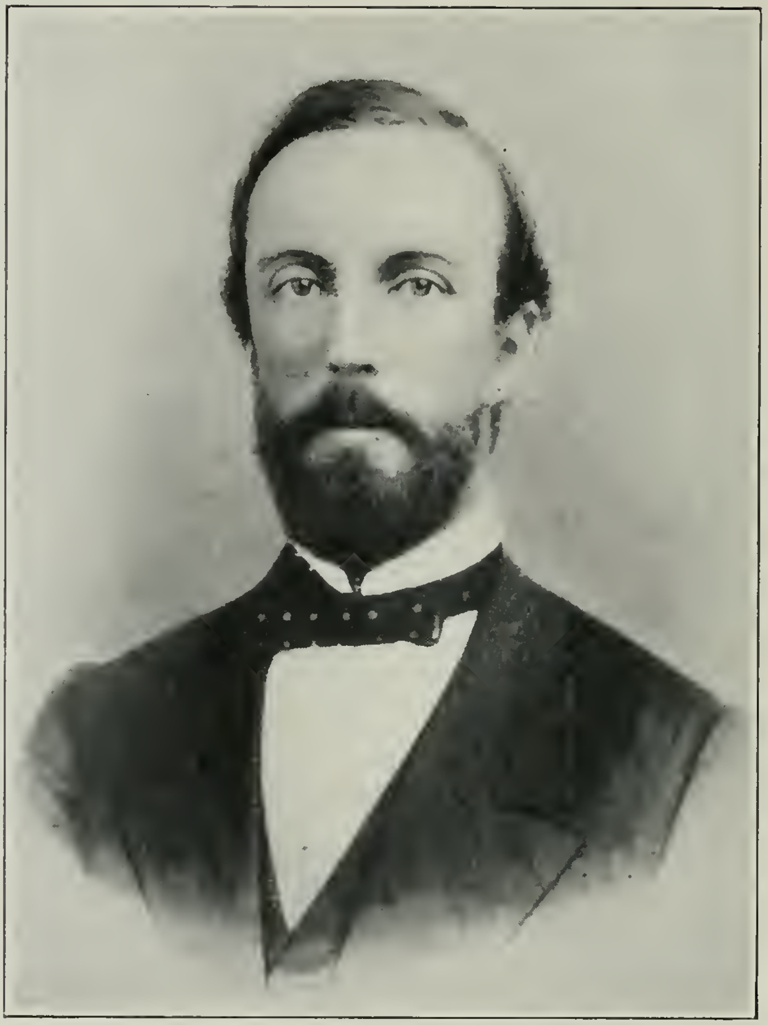
(Right) JOSEPH LEIDY (1823–1891), vertebrate paleontologist, who published on fossil bones of California before 1870. *(Courtesy of U. S. Nat. Mus.)*



JOHN STRONG NEWBERRY (1822–1892), geologist to the early Pacific Railroad Surveys into the far West, who contributed some of the earliest reports on the San Francisco Bay region and Sacramento Valley. *(Courtesy of Yale University Press.)*



TIMOTHY ABBOTT CONRAD (1818–1889), noted paleontologist, whose careful work on collections of marine invertebrate fossils of California, laid the foundation for the study of the geologic history of the State, especially as regards the separation of Eocene formations from the Cretaceous. *(Courtesy of U. S. Nat. Mus.)*

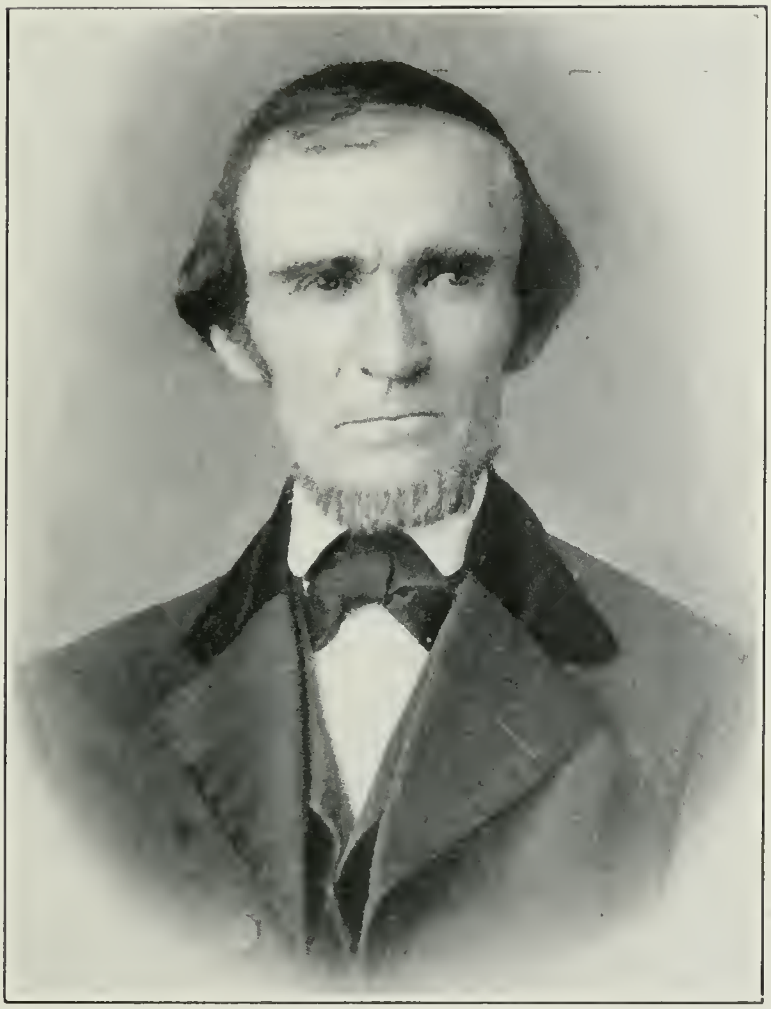


J. G. COOPER, ornithologist and paleontologist, who served as an important member of the California Geological Survey under Whitney. *(From an old photo in the files of the Cal. State Div. of Mines.)*

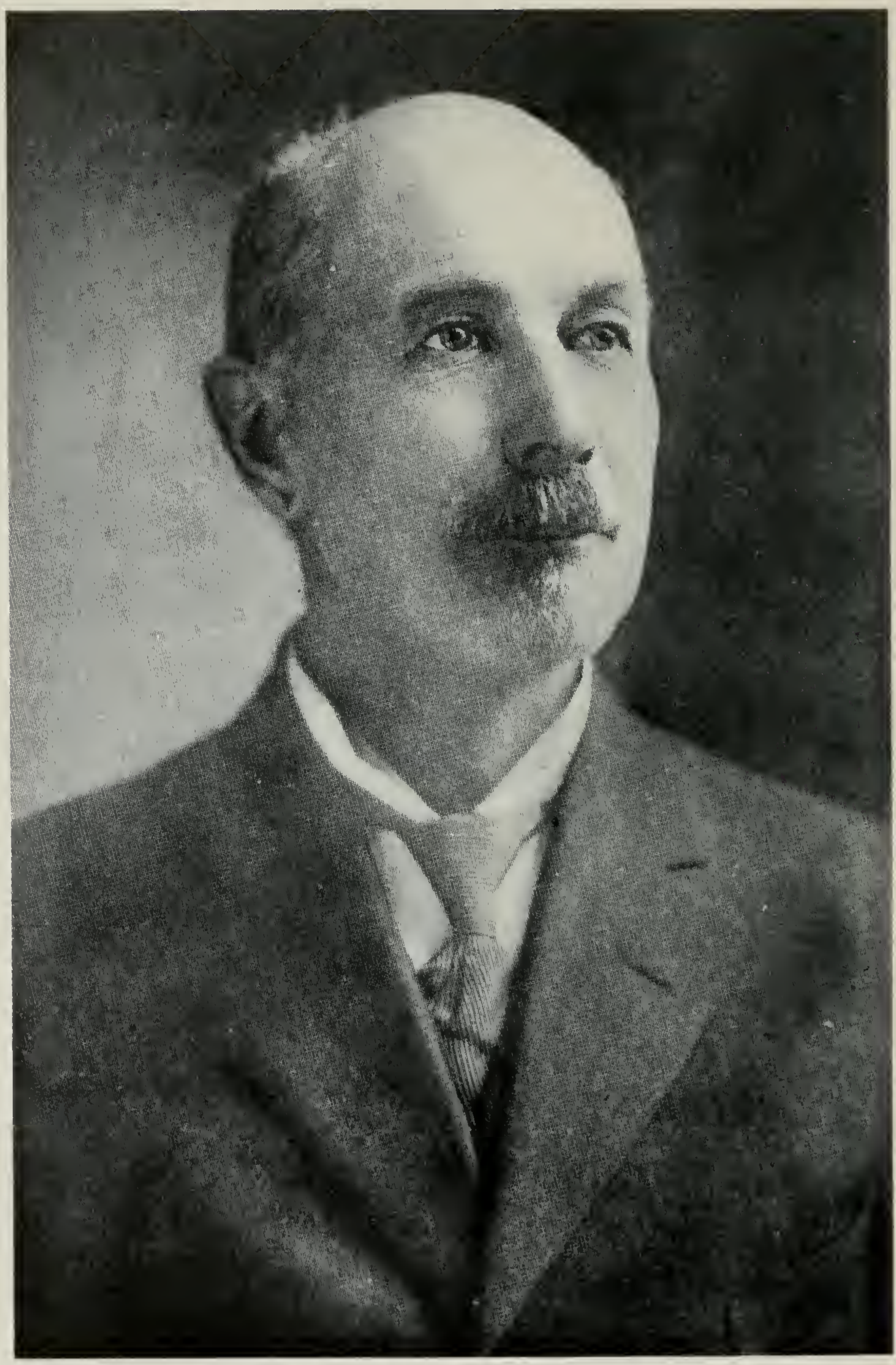
CLARENCE KING (1842–1901), who for three years was a volunteer assistant to J. D. Whitney, State Geologist of California. King organized and directed the Geological Survey of the 40th Parallel and from 1879 to 1881 served as director of the newly organized U. S. Geological Survey. *(Courtesy of Yale University Press.)*

WATSON ANDREWS GOODYEAR, a prominent member of the California Geological Survey under Whitney. *(From an old photo in the files of the Cal. State Div. of Mines.)*

GROVE CARL GILBERT (1843–1918), one of America's most famous geologists who worked in the Sierra Nevada of California and on the problems of earthquakes of the west coast. *(Courtesy of the Geol. Soc. Am.)*



FIELDING BRADFORD MEEK (1817–1876), paleontologist, whose work on fossils of the Mesozoic and older formations of California was very valuable. *(Courtesy of U. S. Nat. Mus.)*



JOSIAH SILAS DILLER (1850–1924), who as a pioneer field geologist to the U. S. Geological Survey, contributed several geologic maps and reports of northern California, which stand as notable monuments to his name. *(Courtesy of Geol. Soc. Am.)*

JOSEPH LE CONTE (1823–1901), professor of geology of the University of California, who was known throughout the world for his clear and interesting interpretations of geological phenomena, and his sound views on the geology of California. *(Courtesy of Yale University Press.)*

JOHN CASPER BRANNER (1850–1922), geologist of international fame, a teacher of the finest quality, and a man whose personal influence has contributed much to the progress of practical geological study in the West. Professor of Geology and Vice President of Stanford University, later President of that institution, following the retirement of David Starr Jordan. *(Courtesy of the Stanford Illustrated Review.)*

JAMES PERRIN SMITH (1864–January 1, 1931), eminent paleontologist and stratigrapher, one of the highest authorities on California geology, a beloved teacher, and a man of unusually fine influence. Professor of Paleontology, and for a time head of the Department of Geology of Stanford University. In his list of publications, including several monographs, is the Geological Map of California, issued by the State Mining Bureau in 1916. *(Courtesy of the G. & M. Soc. Am. Univ.)*

Chester Averill, William More Gabb, William Ashburner, Josiah Dwight Whitney, Charles F. Hoffman, Clarence King, William Henry Brewer, MEMBERS OF THE GEOLOGICAL SURVEY OF CALIFORNIA IN 1860, when Whitney was State Geologist. *(Courtesy of Yale University Press.)*

JOSEPH LE CONTE (1823–1901)

Joseph Le Conte was born in Liberty County, Georgia, in 1823, and remained in his native state until called to the University of California in 1869 as Professor of Geology and allied sciences. He was a lucid and voluminous writer, a gifted speaker and a much loved teacher. Many of his papers dealt with the structure and origin of mountain ranges and his views upon these subjects found many illustrations in California. His "Genesis of Metalliferous Veins" has attracted wide attention. Other contributions, such as "Evidences of Horizontal Crushing in the Coast Ranges of California," "Extinct Volcanoes About Lake Mono," and "Ancient Glaciers in the Sierra," illustrate his geologic interests and methods. He is perhaps best known for his textbook, "Elements of Geology," which has been published in a number of successive editions. He was chiefly distinguished for the philosophic character of his writings, not only in the field of geology, but also in such subjects as "Morphology," "Phenomena of Binocular Vision," and "Evolution and Social Progress," etc.

His death occurred in Yosemite Valley at the foot of Glacier Point, July 6, 1900. Soon afterward, the Le Conte Memorial Lodge was erected near the site of his death. Few speakers or teachers have so captivated the interest and aroused the imagination of their students and professional associates as did Le Conte.

EUGENE W. HILGARD (1833–1916)

E. W. Hilgard was born in Rhenish Bavaria and was brought to America by his family in 1836. His university education was gained first at Heidelberg, later at Zurich and Freiberg, then again at Heidelberg.

In 1855 he was a chemist in Washington, but the same year accepted a position on the geological survey of Mississippi, where he became State Geologist in 1858. His work in California began early in 1875 as Professor of Agriculture at the University of California and as Director of the Agricultural Experiment Station which he founded at that time. His geological work and his contributions to the geologic literature of California were concerned chiefly with asphaltum deposits of the State, with the classification of the Tertiary and later sedimentary deposits, with the origin and character of soils, the occurrence and cure of alkalis in the soils, maintaining the fertility of soils, and with other general problems pertaining to scientific agriculture.

Among his more noteworthy papers are: "Physico-geographical and Agricultural Features of—California" (1884); "The Asphaltum Deposits of California" (1885); "Agriculture and Late Quaternary Geology" (1888); "Subterranean Water-Supply of the San Bernardino Valley" (1901 and 1902).

Geological as well as agricultural science in California owes much to the serious and well-directed work of Hilgard. He will be, moreover, long remembered by his students and associates for his sincere interest in his subject, and also for his kindly interest in students, and in all with whom he came in contact.

JOHN CASPER BRANNER (1850–1912)

J. C. Branner was born in Tennessee and was graduated from Cornell University in 1874. He was Geologist on the Imperial Geological Commission of Brazil, 1875 to 1877; Professor of Geology, University of Indiana, 1885–1892; State Geologist of Arkansas, 1887–1892. He came to California as Professor of Geology at Stanford University in 1892, where for more than a quarter of a century he was active in his work and in the development of his department. As Vice President and later as President of Stanford University, he was a fine influence in all departments of the institution.

Among the geologists mentioned in these pages none have had a greater influence upon the purposes, ideals, and geologic methods of the younger geologists of the western states than did Branner. He contributed articles to various journals, and his work in association with John F. Newsom and Ralph Arnold on the Santa Cruz folio (1909) made a notable addition to the geology of the Coast Ranges.

For the most part, however, it was as a teacher, and as an inspiration toward the best in the aims and methods of field geologists that he made his most lasting contributions, and these have been of the highest value and importance, not only to the State, but to a wide circle beyond. Because of his interest in seismology, after the earthquake of 1906 he was appointed on the Investigation Committee with which he actively cooperated and collected many data of practical importance concerning the results of this event. He has suggested valuable methods for avoiding or minimizing the disastrous results of any subsequent shocks, not only in California, but throughout the world. He was made President of the Seismological Society of America, 1910 to 1914, in recognition of his active interest in this subject.

JOHN F. NEWSOM (1869–1928)

J. F. Newsom was born and educated in Indiana. He had worked under J. C. Branner at the University of Indiana and later on the Geological Survey of Arkansas prior to coming to California. In 1893, he came to Stanford University as an instructor, but returned to the University of Indiana, remaining there from 1895 to 1898. He then returned to Stanford as Assistant Professor of Economic Geology and Mining and continued work at this institution until 1910, when he resigned to take up economic work.

With Branner he prepared a "Syllabus of Lectures on Economic Geology" (1895). Among his various published articles were "Clastic Dikes (of California)" (1903); "Notes on the Structure of the Santa Cruz Range, California" (1908); and with J. C. Branner and Ralph Arnold, "Description of the Santa Cruz Quadrangle (California)," (1909).

In his scientific work, Newsom was well known for his accuracy and careful attention to detail. He will also be long remembered for his ability as an engineer and for his unfailing kindness to all.

JAMES PERRIN SMITH (1864–1931)

J. P. Smith was born in South Carolina. He was graduated from Wofford College in 1884 and received his Master's degree from Vanderbilt University in 1886. Soon after, he joined the Geological Survey of Arkansas under J. C. Branner, but later went to the University of Göttingen where he received a Ph.D degree in 1892.

Returning to the United States that same year, he was selected as Professor of Paleontology at Stanford University where he was again associated with Branner. His work here, after 1905, was largely devoted to invertebrate paleontology and the stratigraphy of the western Mesozoic and earlier periods. His interest in California geology was not confined to this work and in 1916 he supervised the compilation of a geologic map of California, and prepared a report descriptive of the formations represented upon it. J. P. Smith was the author of numerous papers concerning the Mesozoic of California and its faunas and their genetic relationships.

From 1895 to 1924, he was on the staff of the United States Geological Survey, holding in later years the title of Geologist. Many of his papers were devoted to broader subjects in which California entered only incidentally. Among his more important contributions to the geology of the State are, ''The Metamorphic Series of Shasta County, California'' (1894); ''Age of the Auriferous Slates of the Sierra Nevada'' (1894); ''Mesozoic Changes in the Faunal Geography of California'' (1895); ''The Stratigraphy of the Western American Trias'' (1907); ''The Geologic Record of California'' (1910); ''Geologic Range of Miocene Invertebrate Fossils of California'' (1912); ''The Middle Triassic Marine Invertebrate Faunas of North America'' (1914). The high character of his scientific work has been recognized by leading scientists of the world.

The greatest contribution of J. P. Smith to the cause of geology in California was made as a teacher. He was held in the highest regard by all his students and associates. He knew well the viewpoint of the student and by inspiring him with a live interest in his subject, attained the best possible results. This inspiration and the affectionate regard of the students whom he taught, and met throughout his teaching career, will be a lasting monument to the memory of J. P. Smith. Few teachers have succeeded so well as he in reaching the hearts of their students.

THE CALIFORNIA STATE MINING BUREAU

("State Division of Mines"—since 1927)

It is not possible to include here a complete account of the organization, purposes, activities, and results of the California State Mining Bureau, or of the men who have done notable work under its jurisdiction, but they should not be omitted entirely from this brief review.

The organization of the Mining Bureau was effected in April, 1880, and its first report by Henry G. Hanks, State Mineralogist, was issued December 1, 1880. Since then the Bureau has operated under the direction of a State Mineralogist whose function it has been to promote the various mineral interests and industries of the State through the medium of its publications and by other means. Upon its official staff have been many men of energy and ability whose explorations, investigations, and writings have added greatly to the rapid-growing geologic science in California.

On the whole, the work and publications of the Mining Bureau are not only creditable as correctly representing the current condition of mining and of the mineral industries of the State and the outlook of their future, but they have often contained matter of high geologic interest and of value to such industries.

For the most part, the time of the State Mineralogist has been taken up with administrative duties, and of necessity most of the field explorations and investigations have been left to his assistants, or even to others who have contributed papers of merit. Some of the early scientists who have supplied valuable geologic data to the Mining Bureau have already been noted. One of the earliest and most widely known of the Bureau's pioneer geologists is Harold Wellman Fairbanks. In addition, the following names should be mentioned: Ross E. Browne, author of various papers such as, "The Ancient River Beds of the Forest Hill Divide" (1890); William H. Storms, author of "The Mother Lode Region of California" (1895, 1897, 1900); William L. Watts, author of many valuable papers including "Oil and Gas Yielding Formations of California," etc. (1897, 1901); E. B. Preston (1896—); C. A. Waring (1913–1919); Charles G. Yale, Statistician for the Mining Bureau and for the United States Geological Survey for many years and contributor of many articles; Anthony W. Vogdes, bibliographer of geologic literature for the Mining Bureau (1896, 1904); Stephen Bowers and many others.

PART I

BIBLIOGRAPHY

LIST OF ABBREVIATIONS

Abh	Abhandlungen
Abst	abstract
Ac	academy
Agr	agriculture, etc.
Ak	Akademie
Alta	Alberta
Am	America, etc.
An	annals, annual, etc.
Anz	Anzeiger
App	appendix
As	association
B	bulletin, boletín, etc.
B C	British Columbia
Bd	board
Beitr	Beiträge
Ber	Berichte
Bien	biennial
Bur	bureau
C R	compte rendu
Cal	California
Can	Canada; Canadian
Centr	Centralblatt
Co	county
Col	collection
Cong	congress
cos	counties
Contr	contributions
D C	District of Columbia
Deut	Deutsch, etc.
Dp	department
Doc	document, etc.
Ed	edition, editor, etc.
Eng	engineering
Ex	executive
Exp Sta	experiment station
G	geology, etc.
G S	geological survey
g s	geological series
Geog	geography, etc.
Ges	Gesellschaft
H Ex Doc	House executive document
Int	international
J	journal, etc.
Jb	Jahrbuch
Jber	Jahresbericht
Jg	Jahrgang
K	kaiserlich, königlich, etc.
L	London
M	Mines, mining
Mber	Monatsberichte
Mem	memoirs
Mex	Mexico
Min	mineral
Miner	mineralogy, etc.
Mitt	Mitteilungen
Mo	Missouri; monthly
Mon	monograph
Mus	museum
N	new; north, etc.
n s	new series
N Sc	natural science
N W Ter	Northwest Territories
Nat	national; naturalist
Oc P	occasional papers
Oreg	Oregon
P	papers
P P	professional paper
pls	plates
pp	pages
Pr	proceedings
priv pr	privately printed
priv pub	private publication
pt	part
Pub	publications
Q	quarterly
R	royal
rev ed	revised edition
Rp	report
Rv	review, revista, etc.
s	series
S	Senate; south
Sc	science, scientific, etc.
Sc s	science series
sec	section
sess	session
Szb	Sitzungsberichte
Tech	technology, etc.
Tr	transactions
Transl	translated, etc.
U S	United States
Univ	university
v	volume
Ver	Verein
Verh	Verhandlungen
vol	volume
Wash	Washington
Zs	Zeitschrift
Ztg	Zeitung

SERIALS

(The abbreviation used in the citation is printed in black-faced type.)

Ac Gioenia sc Nat Catania B. Academia Gioenia de scienze naturali in Catania, Bollettino delle sedute.

Ac N Sc Phila, J; Pr; Min G Sec, Pr. Academy of Natural Sciences of Philadelphia, Journal; Proceedings; Mineralogical and Geological Section, Proceedings.

Ac Sc Paris, C R. Academie des sciences, Paris Comptes rendus.

Ac Sc St L, Tr. Academy of Science of St. Louis, Transactions.

Agr Exp Station Berkeley Cal, B. Agricultural Experiment Station, Berkeley, California, Bulletin.

Am Ac Arts, Pr; Mem. American Academy of Arts and Sciences, Proceedings; Memoirs. Boston.

Am As, Pr; Mem. American Association for the Advancement of Science, Proceedings; Memoirs.

Am As Petroleum G, B. American Association of Petroleum Geologists, Bulletin.

Am Bur Geog, B. American Bureau of Geography, Bulletin. Winona, Wis.

Am Ceramic Soc Tr, J. American Ceramic Society, Transactions; Journal, Columbus, Ohio.

Am Chem Soc, J. American Chemical Society, Journal. New York.

Am G. American Geologist. Minneapolis.

Am Gas J. American Gas Light, Journal, N. Y.

Am Geog Soc, B; J. American Geographical Society of New York, Bulletin; Journal.

Am Geol Rwy Guide. American Geological Railway Guide.

Am I M Eng, Tr; B; Tech Pub; (Year Book). American Institute of Mining and Metallurgical Engineers, Transactions; Bulletin; Technical Publication; Year Book. New York.

Am J Conch. American Journal of Conchology.

Am J M. American Journal of Mining, Engineering, Geology, Mineralogy, Metallurgy, Chmistry, etc.

Am J Sc. American Journal of Science. New Haven, Conn.

Am M Cong, Pr. American Mining Congress, Proceedings.

Am M Rev. American Mining Review. Los Angeles, California.

Am Micro Soc, Pr. American Microscopical Society, Proceedings.

Am Miner J. American Mineralogical Journal (Bruce), vol. 1, 1814 (no more published). New York.

Am Mineralogist. American Mineralogist. Philadelphia and Lancaster, Pa.

Am Mus J. American Museum Journal (American Museum of Natural History).

Am Mus Novitates. American Museum Novitates. New York.

Am Mus N H, B; Mem. American Museum of Natural History, Bulletin; Memoirs. New York.

Am Nat. American Naturalist. Salem, Mass., and elsewhere.

Am Petroleum Inst, Dev and Prod Eng, B. American Petroleum Institute, Development and Production Engineering, Bull.

Am Ph Soc, Tr; Pr. American Philosophical Society, Transactions; Proceedings. Philadelphia.

Am Soc Civil Eng, Tr; Pr. American Society of Civil Engineers, Transactions; Proceedings. New York.

An Bib Ec G. Annotated Bibliography of Economic Geology.

An Geog. Annales de geographie. Paris.

An Mines, B. Annales des Mines, Bulletin.

An M Belgique. Annales des mines de Belgique. Bruxelles.

An Mag N H. Annals and Magazine of Natural History. London.

An Mines. Annales des mines. Paris.

Appalachia. Boston.

Arch fur wiss Kunde von Russ. Archiv für wissenschaftliche Kunde von Russland. Berlin.

Arch Sc Phys Nat. Archives des sciences physiques et naturelles (Bibliotheque universelles de Geneve) Geneva.

Ark G S. Arkansas, Geological Survey of. Little Rock.

As Am Geog, An. Association of American Geographers, Annals.

As Eng Soc, J. Association of Engineering Societies, Journal. Philadelphia.

Astron Soc Pacific, Pub. Astronomical Society of the Pacific, Publications. San Francisco.

Aus der Heimat. Aus der Heimat; Naturwissenschaftliche Monatsschrift. Stuttgart.

B Am Pal. Bulletins of American Paleontology. Ithaca, N. Y.

SERIALS—Continued

(The abbreviation used in the citation is printed in black-faced type.)

B C Bur Mines, An Rp; B; B C Minister Mines, An Rp. British Columbia Bureau of Mines, Annual Report; Bulletin; British Columbia Minister of Mines, Annual Report.

Beitr Geoph. Beiträge zur Geophysik. Leipzig.

Ber Senckenb naturf Gesellsch. Berkcht der Scnekenbergischen naturforschenden Gesellschaft. Frankfort-on-the-Main.

Berg- u Hüttenm Ztg. Berg- und hüttenmännische Zeitung. Leipzig.

Bernice Pauahi Bishop Mus, Oc P. Bernice Pauahi Bishop Museum, Occasional Papers. Honolulu, H. I.

Biol Absts. Biological Abstracts.

Bol Petróleo. Boletín del Petróleo. Mexico, D. F.

Bol Soc Nac Min. Boletin de la Sociedad Nacional de Mineria. Santiago de Chile.

Boston Soc N H, Pr; Oc P; Mem; Anniv Mem. Boston Society of Natural History, Proceedings; Occasional Papers; Memoirs; Anniversary Memoirs.

Bot Gaz. Botanical Gazette. Chicago.

Brit As, Rp. British Association for the Advancement of Science, Report. London.

Cal Ac Sc; Pr; Oc P; Mem. California Academy of Sciences (California Academy of Natural Sciences up to January, 1868—Cal Ac N Sc); Proceedings; Occasional Papers; Memoirs. San Francisco.

Cal Dp Eng, B. California Department of Engineering, Bulletin.

Cal Dp Pub Works, Div Eng and Irrigation, B. California Department of Public Works, Division of Engineering and Irrigation, Water Rights, Bulletin.

Cal G S. California Geological Survey.

Cal J Tech. California Journal of Technology. Berkeley, Cal.

Cal Oil World. California Oil World. Los Angeles, California.

Cal Petroleum M As, B. California Petroleum Miners' Association, Bulletin. San Francisco.

Cal Phys Geog Club B. California Physical Geography Club, Bulletin.

Cal St M Bur, An Rp; St Mineralogist's An Rp; B. California State Mining Bureau, Annual Report; State Mineralogist's Annual Report; Bulletin. San Francisco.

(Cal) Univ Chronicle. (California, University of) University Chronicle. Berkeley, Cal.

Cal Univ, Dp G, B. California, University of, Publications, Department of Geology, Bulletin. Berkeley, Cal.

Cal Univ, Pub Geog. California, University of, Publications in Geography.

Cal Univ, Pub Zool. California University, Publications in Zoology.

Cal Univ Scripps Inst for Biol Research. California University Scripps Institution for Biological Research. San Diego.

Cal Univ, Seism Sta, B. California, University of, Publications, Seismographic Stations, Bulletin.

Can Dp Mines, Mines Br, Rp. Canadian Department of Mines, Mines Branch, Report.

Can G S; An Rp; Sum Rp; Mem; Mus B; Victoria Mem Mus, B. Canada, Geological Survey; Annual Report; Summary Report; Memoirs; Museum Bulletin; Victoria Memorial Museum, Bulletin.

Can J. The Canadian Journal of Science, Literature and History: conducted by the Editing Committee of the Canadian Institute. Toronto.

Can M J. Canadian Mining Journal. Toronto and Montreal.

Can M Rv. Canadian Mining Review.

Can, Mines Br, Sum Rp. Canada, Department of Mines, Mines Branch, Summary Report. Ottawa, Ont.

Can Nat. Canadian Naturalist and Geologist and Proceedings of the Natural History Society of Montreal.

Carnegie Inst, Wash, Y Bk; Pub. Carnegie Institution of Washington (D. C.), Year Book; Publications.

Cassier's Mag. Cassier's Magazine. New York.

Centr Bakt Parasitenk. Centralblatt für Bakteriologie und Parasitenkunde. Jena.

Centralbl Miner. Centralblatt für Mineralogie, Geologie, und Paläontologie. Stuttgart.

Century Mag. Century Illustrated Monthly Magazine. New York.

Chem Ed, J. Chemical Education, Journal.

Chem Eng Min Rv, Melbourne. Chemical Engineering and Mining Review. Melbourne.

Chem Soc Q J. Chemical Society Quarterly Journal.

Colo G S, B; Rp. Colorado Geological Survey, Bulletin; Report. Denver.

Col Sch Mines; Q, Mag. Colorado School of Mines, Quarterly, Magazine.

Colo Sc Soc, Pr. Colorado Scientific Society, Proceedings. Denver.

Compr Air Mag. Compressed Air Magazine, New York.

SERIALS—Continued

(The abbreviation used in the citation is printed in black-faced type.)

Cong Intern Petrole. Congress International Petrole (Paris).

Cont Biol Hopkins Seaside Laboratory. Contributions in Biology from Hopkins Seaside Laboratory. Stanford University.

Deut G Ges, Zs. Monatsb Deutsche geologische Gesellschaft, Zeitschrift; Monatsberichte. Berlin.

Deut Rundschau. Deutsche Rundschau. Berlin.

Ec G. Economic Geology. Lancaster, Pa.

Edinb G Soc, Tr. Edinburgh Geological Society, Transactions.

Edinb N Ph J; Edinb Ph J. Edinburgh New Philosophical Journal. Preceded by Edinburgh Philosophical Journal.

Eng Index. Engineering index.

Eng J. Engineering Journal. Stanford University, California.

Eng M J. Engineering and Mining Journal. (From 1922 to 1927 this was called the Engineering and Mining Journal-Press.) New York.

Eng Mag. Engineering Magazine. New York.

Eng News. Engineering News. N. Y.

Eng Rec. Engineering Record.

Fed Inst M Eng. Federated Institution of Mining Engineers 1890–1898. Later, The Institute of Mining Engineers.

Field (Col) Mus, Pub, g s; zool s. Field Columbian Museum (later, Field Museum), Publication, geological series; zoological series. Chicago.

Franklin Inst, J. Franklin Institute, Journal. Philadelphia, Pa.

Geog J. The Geographical Journal.

Geog Rv. The Geographical Review.

G Mag. Geological Magazine. London.

G Rundschau. Geologische Rundschau. Leipzig.

G Rec. Geological Record.

G Soc Am, B. Geological Society of America, Bulletin. Rochester, N. Y., and elsewhere.

G Soc Glas, Tr. Geological Society of Glasgow, Transactions.

G Soc London, Tr; Pr; Q J. Geological Society of London, Transactions; Proceedings; Quarterly Journal.

G Zentralbl. Geologisches Zentralblatt. Anzeiger fur Geologie, Petrographie, Palaeontologie, und verwandte Wissenschaften, Leipzig.

Ges Erdk Berlin, Verh; Zs. Gesellschaft für Erdkunde zu Berlin, Verhandlungen; Zeitschrift.

Harper's Mag. Harper's New Monthly Magazine. New York.

Harvard Coll, Mus C Z, B; An Rp; Mem. Harvard College, Museum of Comparative Zoology, Bulletin; Annual Report; Memoirs. Cambridge, Mass.

Imp Earthquake Investigation Com, B. Imperial Earthquake Investigation Committee, Bulletin. Tokyo, Japan.

Ind Eng Chem, J. Industrial and Engineering Chemistry. (American Chemical Society.) Washington, D. C.

Inst M Eng, Tr. Institution of Mining Engineers, Transactions. Newcastle-upon-Tyne.

Inst M Met, Tr. Institution of Mining and Metallurgy, Transactions. London.

Int Cong Zool. International Congress of Zoology.

Int G Cong, Guide Exc; C R; Rp; Guide Book. International Geological Congress, Guide des excursions; Comptes rendus; Report; Guide Book.

Int M Cong. International Mining Congress; later, American Mining Congress.

Jahresber Anat Entwickl. Jahresberichte über die fortschritte der anatomie und entwicklungs geschichte. Jena.

J G. Journal of Geology. Chicago, Ill.

J Geog. Journal of Geography. Lancaster, Pa., and elsewhere.

J Geog Japan. Journal of Geography of Japan.

J Morph. Journal of Morphology. Boston.

J Paleontology. Journal of Paleontology.

Japan G S, B. Japan Geological Survey Bulletin.

Jb Miner. Jahrbuch für Mineralogie, Geognosie, Geologie und Petrefaktenkunde (Leonhard und Bronn). Heidelberg.

K-Bayer Ak Wiss Munchen, Mat-phys Kl, Szb; Abh. Koniglich-bayerische Akademie der Wissenschaften zu Munchen, Mathematisch-physikalische Klasse, Sitzungs-berichte; Abhandlungen.

K-k G Reichsanstalt, Verh; Jb. Kaiserlich-königliche geologische Reichsanstalt, Verhandlungen; Jahrbuch, Wien.

K-k Geog Ges Wien, Mitt. Kaiserlich-königliche geographische Gesellschaft in Wien, Mittheilungen.

K-Preuss Ak Wiss Berlin, Mber; Szb; Abh. Koniglich-preussische Akademie der Wissenschaften zu Berlin, Monatsbericht; Sitzungsberichte; Abhandlungen.

Kali. Kali, Berlin.

Kans Ac Sc, Tr. Kansas Academy of Science, Transactions. Topeka.

Kansas City Rv Sc. Kansas City (Mo.) Review of Science and Industry. See also Western Review of Science and Industry.

SERIALS—Continued

(The abbreviation used in the citation is printed in black-faced type.)

Kans Univ Sci B. Kansas University, Bulletin, Science Bulletin. Lawrence.

La Géog. La Géographie. Paris.

Lyc N H N Y, An; Pr. Lyceum of Natural History of New York, Annals; Proceedings. Later, New York Academy of Sciences.

Manchester G (M) Soc, Tr. Manchester Geological (later, and Mining) Society, Transactions.

Met Chem Eng. Metallurgical and Chemical Engineering. N. Y.

Micropaleo B. Micropaleontology Bulletin. Stanford University.

Min Absts. Mineral Abstracts.

Min Ind. Mineral Industry.

Miner Mag. Mineralogical Magazine and Journal of the Mineralogical Society. London.

Min petr Mitth. Mineralogische mitteilungen Tschermaks mineralogische und petrographische mitteilungen.

M Min. Mines and Minerals.

M Eng Mag. Mining and Engineering Magazine.

M Met Soc Am, B. Mining and Metallurgical Society of America. New York.

M Metal. Mining and Metallurgy. New York.

M Oil B. Mining and Oil Bulletin. Los Angeles, California.

M Sc Press. Mining and Scientific Press.

M Smlt Mag. Mining & Smelting Magazine. London.

M Cong J. Mining Congress Journal. Washington, D. C.

M J. Mining Journal. London.

M Mag. Mining Magazine; later, Mining and Statistic Magazine; Mining Magazine and Journal of Geology, Mineralogy, Metallurgy, Chemistry and the Arts, New York.

M Science. Mining Science. Denver.

M World. Mining World. Later, Mining and Engineering World. Chicago.

Mitt Naturw Ver Greifswald. Mitthulungen des naturwissenschaftlichen Vereines fur Neuvorpommern und Rugen Greifswald.

Mo G S. Missouri Geological Survey.

Mo Weather Rv. Monthly Weather Review, U. S. Department of Agriculture. Washington, D. C.

Mus . . . Dp N Sc, Misc Pub. Los Angeles County Museum of History, Science and Art, Department of Natural Science, Miscellaneous Publications.

Mus Graphic. Museum Graphic. Los Angeles.

Nat Ac Sc, Biog Mem; Mem; Pr. National Academy of Sciences, Biographical Memoirs; Memoirs; Proceedings. Washington, D. C.

Nat Conservation Comm. National Conservation Commission.

Nat Fertilizer Association. National Fertilizer Association.

Nat Geog Mag. National Geographic Magazine. Washington, D. C.

Nat Geog Soc, Mag. National Geographic Society Magazine, Washington, D. C.

Nat Geog Soc, Nat Geog Mon. National Geographic Society. National Geographic Monographs, vol. 1, 10 nos., 1895. Washington, D. C.

Nat Pet News. National Petroleum News. Cleveland, Ohio.

Nat Research Council, Bull. National Research Council, Bulletin.

Nature. London.

Naturf Ges Danzig Schrift (U. F.) Naturforschende Gesellschaft zu Danzig.

Naturf Ges Leipzig, Szb. Naturforschende Gesellschaft zu Leipzig, Sitzungsberichte.

Naturh Ver Preus Rheini, Verh (Neiderrhein Ges Bonn, Szb). Naturhistorischer Verein der preussischen Rheinlande..., Verhandlungen (Niederrheinische Gesellschaft für Natur-und Heilkunde in Bonn, Sitzungsberichte).

Naturw Wochenschr. Naturwissenschaftliche Wochenschrift. Jena.

N Jb; Beil Bd. Neues Jahrbuch für Mineralogie, Geologie, und Paläeontologie; Beilage Band. Stuttgart.

N Jb Ref. Neues Jahrbuch fur Mineralogie, Geologie und Paleontology Referate.

Newport N H Soc, Pr. Newport (R. I.) Natural History Society, Proceedings.

N Y Ac Sc, An; Tr. Mem. New York Academy of Sciences, Annals; Transactions; Memoirs.

N Y Micro Soc, J. New York Microscopical Society, Journal. New York.

Niederrhein Ges Bonn, Szb. Niederrheinische Gesellschaft für Natur-und Heilkunde zu Bonn, Sitzungsberichte. Issued with Naturhistorische Verein der preussischen Rheinlande und Westphalens, Verhandlungen.

N Am Rv. North American Review.

N Dak Univ Quart J. North Dakota University Quarterly Journal.

Northwest M J. Northwest Mining Journal. Spokane.

Nouv Mem Soc Imp Nat Moscou. Noveaux Memories de la Societe Imp des Naturalistes de Moscou. Moscou.

SERIALS—Continued

(The abbreviation used in the citation is printed in black-faced type.)

Oil Age. Oil Age. Los Angeles, California.

Oil Bull. Oil Bulletin.

Oil Eng and Fin. Oil Engineering and Finance. London.

Oil Gas J. Oil and Gas Journal.

Pacific M News. Pacific Mining News of the Engineering and Mining Journal Press. San Francisco, California.

Pan Am G. Pan American Geologist. Des Moines, Iowa.

Pan Am Sc Cong. Pan American Scientific Congress.

Pan Pacific Sci Cong Australia Proc. Pan Pacific Scientific Congress Australia, Proceedings.

Petermann's Mitt. Petermann's Mitteilungen aus Justus Perthes' Geographischer Anstalt, Gotha.

Petermann's Mitt; Erg. Petermann's Mitteilungen; Ergänzungsheft. Gotha.

Petroleum World. Petroleum World. Los Angeles, California.

Ph Mag. Philosophical Magazine. Later London and Edinburgh Philosophical Magazine. Later London, Edinburgh, and Dublin Philosophical Magazine.

Ph Soc Wash, B. Philosophical Society of Washington (D. C.), Bulletin.

Pop Sc Mo. Popular Science Monthly. New York.

Pop Sc Rv. Popular Science Review London.

Q J G Soc London. Quarterly Journal of the Geological Society of London.

Q J Micro Sc. Quarterly Journal of Microscopical Science. London.

Q Rv. Quarterly Review. (London.)

R Dublin Soc, J; Sc Pr. Royal Dublin Society, Journal; Scientific Proceedings.

R G Soc Cornwall, Tr. Royal Geological Society of Cornwall, Transactions. Penzance.

R Geog Soc, Pr. Royal Geographical Society, Proceedings. London.

R Inst, Pr. Royal Institution of Great Britain, Proceedings. London.

R Soc Can, Pr Tr. Royal Society of Canada. Proceedings and Transactions. Montreal.

R Soc London, Pr; Ph Tr. Royal Society of London, Proceedings; Philosophical Transactions.

R Soc N S Wales, J Pr. Royal Society of New South Wales, Journal and Proceedings. Sydney.

Rv crit Paleozool J. Revue critique de Paleozoologie Journal, Paris.

Rv de Geog. Revue de Geographie.

Rv des deux mondes. Revue des Deux Mondes. Paris.

Rv Geol et Sci conn. Revue de Geologie et des Sciences connexes.

Rv Univ Mines. Revue universelle des mines. Liége and Paris.

Russ-k Min Ges St. Petersburg, Verh. Russisch-kaiserliche mineralogische Gesellschaft zu St. Petersburg, Verhandlungen.

S Cal Ac Sc, B. Southern California Academy of Sciences, Bulletin. Los Angeles.

San Diego Soc N H, Tr. San Diego (Cal.) Society of Natural History, Transactions.

San Francisco Micro Soc, Tr. San Francisco Microscopical Society, Transactions.

Santa Barbara Soc N H, B. Santa Barbara (Cal.) Society of Natural History, Bulletin.

Sc Am; Sc Am Sup. Scientific American; Scientific American Supplement. New York.

Sc Mo. Scientific Monthly. New York.

Sc Progress. Science Progress.

Sch Mines Q. School of Mines Quarterly. Columbia University. New York.

Science (n s). Science, new series. New York.

Scottish Geog Mag. Scottish Geographical Magazine. Edinburgh.

Scribner's Mag. Scribner's Magazine.

Seism Soc Am, B. Seismological Society of America, Bulletin. Stanford University, Cal.

Sierra Club B. Sierra Club Bulletin. San Francisco, Cal.

Smiths Inst, An Rp; Smiths Contr Knowl; Smiths Misc Col; Q Is. Smithsonian Institution, Annual Report; Smithsonian Contributions to Knowledge; Smithsonian Miscellaneous Collections; Quarterly Issue. Washington, D. C.

Soc Cient Ant Alz, Mem. Sociedad científica "Antonio Alzate," Memorias y revista, México, D. F.

Soc Fribourgeoise Sc Nat, B; Mém. Société fribourgeoise des sciences naturelles, Bulletin; Mémoires. Fribourg.

Soc G Belgique, An. Société géologique de Belgique, Annales. Liége.

Soc G France, B; Mém. Société géologique de France, Bulletin; Mémoires. Paris.

Soc G Italiana, B.—Societa geologica italiana, Bollettino. Roma.

Soc G Nord An, Mem. Societe geologique du Nord, Lille, Annales; Memoires.

Soc Geog Lyon, B. Société de Geographie Lyon Bulletin.

SERIALS—Continued

(The abbreviation used in the citation is printed in black-faced type.)

Soc Ind Min, B; C. R. Men. Société de l'industrie minéral. Bulletin; Comptes rendus mensuels des réunions. Saint-Etienne.

Soc Miner France, B. Société minéralogique de France, Bulletin. Paris.

Southwestern As Petroleum G, B. Southwestern Association of Petroleum Geologists, Bulletin. Continued as American Association of Petroleum Geologists, Bulletin.

St Oil B. Standard Oil Bulletin.

Stanford Univ Pub, Univ ser. Biol Sciences. Leland Stanford Junior University Publications, University series, Biological Sciences.

Str Typ Am Oil Fields. Structure of Typical American Oil Fields. Published by American Association of Petroleum Geologists, Tulsa, Oklahoma.

Sup Pet Rev. Petroleum Review, Supplement.

Tech Eng News. Technical Engineering News.

Tech Soc Pacific Coast, Tr. Technical Society of the Pacific Coast, Transactions. San Francisco.

Terr Magn. Terrestrial Magnetism and Atmospheric Electricity. Baltimore.

Tex, Univ, B; Min S B. Texas University of, Bulletin; Mineral Survey Bulletin. Austin.

Tôhoku Imp Univ, Sc Rp. Tôhoku Imperial University, Science Reports. Sendai, Japan.

Torrey Bot Club, B. Torrey Botanical Club Bulletin

Tschermak's Mitt. Tschermak's mineralogische und petrographische Mittheilungen. Wien.

U S, B M, B; Tech P; Min Res. United States Bureau of Mines, Bulletin; Technical Paper; Mineral Resources. Washington, D. C.

U S, Bur Soils, B. United States, Bureau of Soils, Bulletin.

U S, Coast S. United States, Coast and Geodetic Survey.

(U S),—Congress—Sess, S Ex D; H Ex D. (United States), — Congress — session, Senate Executive Document No. ____; House of Representatives Executive Document No. ____.

U S, Dp Agr, B. United States, Department of Agriculture, Bulletin.

U S, Dp Agr, Bur Soils, Rp, B. U. S. Department of Agriculture, Bureau of Soils, Report, Bulletin, Washington, D. C.

U S, Dp Agr, Office Exp Sta, B. U. S. Department of Agriculture Office of Experiment Station, Bulletin, Washington, D. C.

U S Dp Agr, Weather Bureau, Bull. U. S. Department of Agriculture, Weather Bureau, Bulletin.

U S, Dp Interior, Off Secretary. United States, Department of the Interior, Office of the Secretary.

U S G Expl 40th Par (King). United States Geological Exploration of the Fortieth Parallel (King).

U S G Geog S Terr (Hayden). United States Geological and Geographical Survey of the Territories (Hayden) (title varies)

U S G S, An Rp; P P; B; W-S P; Mon; Min Res; G Atlas, Top Atlas. United States Geological Survey, Annual Report; Professional Paper; Bulletin; Water-Supply Paper; Monograph; Mineral Resources; Geologic Atlas,—folio (No. ____); Topographic Atlas.

U S Geog G S Rocky Mtn Reg. (Powell) United States Geographical and Geological Survey of the Rocky Mountain Region (Powell).

U S Geog S W 100th Mer (Wheeler). United States Geographical Surveys West of the One Hundredth Meridian (Wheeler).

U S Nat Mus, An Rp; B; Pr; Smithsonian Inst, B. United States National Museum, Annual Report; Bulletin; Proceedings; Smithsonian Institution, Bulletin.

U S, Pacific R R Expl. United States (War Department), Pacific Railroad Explorations (U. S., 33d Congress, 1st session, House of Representatives Ex. Doc. No. 129, vol. 18, pts 1-4). Reports of explorations and surveys to ascertain the most practicable and economical route for a railroad from the Mississippi River to the Pacific Ocean, made ... in 1853-4 ... U. S., 33d Congress, 2d session, Senate Ex. Doc No. 78 and H. Ex. Doc 91.

U S Treas Dp. U. S. Treasury Department, Washington, D. C.

U S (War Dp), Chief Eng, An Rp. United States (War Department), Chief of Engineers, Annual Report.

Univ Cal Mag. The University of California Magazine. Berkeley.

Ver d k-k geol Reichsanst. Verhandlungen der kaiserlich-kaniglichen geologischen. Reichsanstalt, Wien.

SERIALS—Continued

(The abbreviation used in the citation is printed in black-faced type.)

Victoria Inst, Tr. Victoria Institute, or Philosophical Society of Great Britain, Journal of the Transactions. London.

Videnskabs-Selsk Christiania, Forh. Videnskabs-Selskabet i Christiania, Forhandlingar.

Wash Ac Sc; J; Pr. Washington (D. C.) Academy of Sciences, Journal: Proceedings.

West Am Sc. West American Scientist. San Diego, Cal.

Western Eng. Western Engineering. San Francisco, Cal.

Western Rv Sc. Western Review of Science and Industry. With vol. 2, no. 7, Oct., 1878, name changed to Kansas City Review of Science and Industry. Kansas City, Mo.

Yale Bicen Pub Contr Miner Yale. (University) Bicentennial Publications. Contributions to mineralogy and petrography..., edited by S. L. Penfield and L. V. Pirsson, New York, Charles Scribner's Sons, 1901.

Zs Allg Erdk. Zeitschrift für allgemeine Erdkunde. Berlin.

Zs Berg–, Hütten– u Salinen-Wesen. Zeitschrift für das Berg—, Hütten-und Salinen-Wesen. Berlin.

Zs der geolog Gesellsch. Zeitschrift der deutschen geologischen Gesellschaft. Berlin.

Zs Gletscherk. Zeitschrift für Gletscherkunde. Berlin.

Zs Kryst. Zeitschrift für Krystallographie und Mineralogie. Leipzig.

Zs Prak G. Zeitschrift für praktische Geologie. Berlin.

Zs Vulkan. Zeitschrift für Vulkanologie. Berlin.

BIBLIOGRAPHY OF THE GEOLOGY AND MINERAL RESOURCES OF CALIFORNIA

By SOLON SHEDD

PART I

BIBLIOGRAPHY

Anonymous.

58 History of the mineral and allodial titles of the quicksilver mines of the Rancho de los Capitancillos, about 60 miles from San Francisco, in Santa Clara Co, Cal, 16 pp New York (1858) (Pamphlet)

60 Exploits of the Attorney General in California, by an early Californian; dated August 10, 1860. 80 pp, N Y (1860) Gives a brief history of the quicksilver mines of California and the early claimants to them (Pamphlet)

69 Sur les mines d'or, d'argent et d'etain recemment decouvertes dan les environs de Los Angeles, Cal. An Mines (6) 16:599-600, Paris (1869)

92 The California tin mines. Eng M J 53:49, N Y (1892)

92a California tin. M Sc Press 64:261, San Francisco (1892)

96 Map notices. Am Geog Soc, B 28:421-423 (1896)

01 Tin in California. M Sc Press 82:209, San Francisco (1901)

06 The California earthquake of April 18, 1906. Nature 74:178-179 (1906)

10 Chromite. Eng M J 89:66, 652, 1315 (1910)

10a Borax mining in the United States in 1909. Eng M J 89: 128, 1315 (1910)

10b Coal mining in California in 1909. Eng M J 90:1317 (1910)

10c Geology of Coalinga oil field. (*abst*) M Min 31: 4-6, figs (1910)

11 Notes on the California earthquake of July 1, 1911. Seism Soc Am, B 1:110-121 (1911)

13 Prospecting for potash in Death Valley, Cal. M World 38:855-856 (1913) Translated by G. Bentz in Zs Prak G 21:419-422 (1913)

24 Earthquake in northern California, January 22, 1923. Seism Soc Am, B 14:165-168 (1924)

25 Sierra Nevada earthquakes of March 30, 1925. Seism Soc Am, B 15:140-142 (1925)

Anonymous—Cont.

30 Twenty wildcat locations in northern California. Cal Oil World 23:14 (Oct 30, 1930)

30a Kettleman Hills operators seek unit development plan. Nat Pet News 22:53 (April 1930)

Aaron, C. H.

82 Nickel and cobalt. M Sc Press 44: 196 (1882)

Abozeid, Mahmood.

30 Microscopic study of California oil field emulsions. Am I M Eng, Tech Pub 345: 21 pp. 31 figs (1930) (*abst*) Tr 1930: 392 (1930) (*abst*) Ann Bibl Ec G 3:387 (1931).

Abrams, Leroy.

15 The desert and desert floras of the west. Nature and Science on the Pacific Coast, published under auspices of Pacific Coast Committee of the American Association for the Advancement of Science. p. 172 (1915)

Acheson, E. G.

95 Infusorial earth (Abrasives). Min Ind 3:9-20, California 13 (1895)

Adams, Frank.

05 The distribution and use of water in the Modesto and Turlock irrigation districts, California. U S Dp Agr, Office Exp Sta, B 158:93-139, 3 pls, 1 fig (1905)

Adams, George I.

04 Gypsum. U S G S, Min Res Calendar Year 1902:903-913, California 905, 907 (1904)

Agassiz, Louis (1807-1873).

55 Notice of the fossil fishes found in California (Williamson's reconnaissance). U S, Pacific R R Expl (U S, 33d Cong 1st sess, H Ex Doc 129) Appendix to the preliminary geological report of W. P.

Agassiz, Louis—Cont.

Blake:30-34 (1855) Am J Sc (2) 21:272-275 (1856) N Jb 1857:241-244 (1857)

57 Notice of the fossil fishes (Williamson's reconnaissance in California). U S Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 5 pt 2:313-316, il (1857)

Aitken, Frank W.

06 (and **Hilton**, Edward) A history of the earthquake and fire in San Francisco. 285 pp, San Francisco (1906)

Alden, James.

53 Report on the reconnaissance of the western coast from San Francisco south to San Diego, including the Santa Barbara islands and channel. *In* Report of the Superintendent of the Coast Survey showing the progress of the Survey during the year 1852. App 18:104-107 (1853)

Alderson, Victor C.

27 Oil shale progress. M Cong J 13:883-888 (1927)

Alger, Francis (1807-1863).

50 Crystallized gold from California. Am J Sc (2) 10:101-106 (1850)

50a (On specimens of crystallized gold from California.) Boston Soc N H, Pr 3:266-267 (1850)

52 Remarks on several very remarkable crystals of gold from California. Am Ac Arts, Pr 2:246-249 (1852)

Allen, Eugene Thomas.

03 Analysis of salt from Salton. U S G S, B 220:17 (1903)

24 (and **Day**, Arthur L.) The sources of the heat and the source of the water in the hot springs of the Lassen National Park. J G 32:178-190 (1924)

25 (and **Day**, A. L.) The volcanic activity and hot springs of Lassen Peak, California. Carnegie Inst, Wash, Pub 360: 190 pp, 81 figs, 13 pls (1925)

25a (and **Wright**, F. E.) Curtisite, a new organic mineral from Skaggs Springs, Sonoma County, California. (*abst*) Am Mineralogist 11:67 (1925) Min Absts 2:239 (1927) Am Mineralogist 15:169-173 (1930) Min Absts 4:348 (1930)

26 Further evidence of the nature of hot springs. (*abst*) Wash Ac Sc, J 16:74 (1926)

27 (and **Day**, Arthur L.) Steam wells and other thermal activity at "The Geysers," California. Carnegie Inst, Wash, Pub 378:106, 34 figs (1927) (*abst*) G Zentralbl 38:176-177 (1928) N Jb 1928, Ref. 2: 634-636 (1928)... 38:176-177, 470 (1928) Scottish Geog Mag 44:230-231 (1928)

Allen, Eugene Thomas—Cont.

28 (and **Day**, Arthur L.) Natural steam power in California. Nature 122: 17-18, 27-28 (1928)

Allen, Irving C.

11 (and **Jacobs**, W. A.) Physical and chemical properties of the petroleums of the San Joaquin Valley of California. U S B M, B 19, 60 pp (1911). (*abst*) Eng Index 1912:435 (1913)

14 (and **Jacobs**, W. A., **Crossfield**, A. S., and **Matthews**, R. R.) Physical and chemical properties of the petroleums of Cal. U S B M, Tech P 74, 38 pp (1914)

Allen, Maxwell W.

25 Some remarks concerning Pacific coast earthquakes. Seism Soc Am, B 15:128-139 (1925)

29 The lunar effect in determining the time of earthquake occurrence. Seism Soc Am, B 19:110-113 (1929)

29a The tidal factor in earthquake causation. Seism Soc Am, B 19:28-37 (1929)

Allen, Victor T.

27 Ionite, a hydrous silicate of aluminium. (*abst*) Am Mineralogist 12:78 (1927) Min Absts 3:370 (1927)

28 Anauxite from Ione formation of California. Am Mineralogist 13 (4):145-153 (April, 1928) (*ann*) An Bib Ec G 1:57 (*abst*) N Jb 1929, Ref. 1:365 (1929) Min Absts 2:487 (1928) 3:487 (1928)

29 The Ione Formation of California. Cal Univ, Dp G, B 18:347-448, Pls 24-37 (1929) (*abst*) G Soc Am, B 40:175-176 (1929) Pan Am G 49:313 (1928) (*ann*) An Bib Ec G 1:57 (1928)

Alling, Mark N.

14 Ancient auriferous gravel channels of Sierra County, California: Am I M Eng, B 91:1709-1728, 1 fig (1914) Tr 49: 238-257 (1915)

22 Ancient river-bed deposits in California. Pacific M News 1:134-140, 161-166, 16 figs (1922)

23 Geologic chart, appertaining to the ancient river beds of California. Cal St Min Bur, B 92 (1923)

American Association for the Advancement of Science, Pacific Coast Committee.

15 Nature and science on the Pacific coast... 302 pp, maps, San Francisco (1915)

American Geographical Society.

06 The Salton Sink. Geographical Record. Am Geog Soc, B 38:561 (1906)

American Geographical Society—Cont.

07 A cave in California. Am Geog Soc, B 39:743 (1907)

07a Cinder Cone National Monument. Am Geog Soc, B 39:556-557 (1907)

American Journal of Science.

58 Surveys in California for the Pacific Railroad. Am J Sc (2) 25:317-320 (1858)

60 Geological survey of California. Am J Sc (2) 30:157 (1860)

62 Mastadon tooth in Amador Co., California. Am J Sc (2) 34:135-140 (1862)

65 Earthquake in California. Am J Sc (2) 40:366 (1865)

American Quicksilver Co. of California.

49 Mercury, 29 pp., New York (1849) Pamphlet

Ambrose, A. W.

16 (with **Hall**, E. B.) Descriptions of new species from the Cretaceous and Tertiary of the Tesla, Pleasanton, San Jose, and Mt. Hamilton quadrangles, Cal. Nautilus 30:68-71, 77-82 (1916)

Andersen, Olaf.

17 Aventurine labradorite from California. Am Mineralogist 2:91 (1917) Min Absts 1:392 (1922)

Anderson, A. D.

77 The Silver Country of the Great Southwest. 221 pp, map 8 vo. New York (1877) (*abst*) G Rec 1877:118 (1880)

Anderson, Belle.

28 (and **Gahl**, Rudolph). Sulphate-reducing bacteria in California oil waters. Centr Bakt Parasitenk, 2 Abt. 73:331-338 (1928 (*ann*) An Bib Ec G 1:186 (1928)

Anderson, C. A.

29 (and **Finch**, Ruy H.) Quartz-basalt eruptions of Cinder Cone. (Summary statement) Pan Am G 51:375 (1929) Cal Univ, Dp G, B 19:245-273, 11 figs (1930)

30 (and **Knopf**, A.) The Engels copper deposits, California. Ec G 25:14-35, 2 figs (1930) (*ann*) An Bib Ec G 3:60 (1931) (*abst*) G Zentralbl 42:366 (1930)

30a Opal stalactites and stalagmites from a lava tube in northern California. Am J Sc (5) 20:22-26, 1 fig (1930) (*abst*) Pan Am G 54:155 (1930)

Anderson, C. L.

94 The natural history of Santa Cruz County comprised in chapters on Geology, Marine and Land Botany, Fishes and Birds, for the use of students of all ages, in or out of schools, and the public generally 67 pp, Oakland (1894)

Anderson, Frank Marion.

95 Some Cretaceous beds of Rogue River valley, Oreg. J G 3:455-468 (1895)

Anderson, Frank Marion—Cont.

(*abst*) Petermann's Mitt 1895 (Beil zum 41):177 (1895)

99 The geology of Point Reyes Peninsula. Cal Univ, Dp G, B 2:119-153, map 1899 (*abst*) Petermann's Mitt 1900 (Beil zum 46):126 (1900)

01 Neocene basins of the Klamath Mountains. (*abst*) G Soc Am, B 12:500-501 (1901) J G 9:75-76 (1901) Am G 27:131 (1901) G Zentralbl 3:538 (1903)

01a Oil-yielding formations of Humboldt County. Cal St M Bur, B 19:161-166 (1901)

02 Cretaceous deposits of the Pacific coast. Cal Ac Sc, Pr (3) G 2:1-54, il (1902) (*abst*) G Zentralbl 3:677-678 (1903)

02a Ore deposits of Shasta Co., Cal. (*abst*) Science (n s) 15:412 (1902) G. Zentralbl 9:346 (1907)

02b The physiographic features of the Klamath Mountains. J G 10:144-159 (1902) (*abst*) G Zentralbl 4:572 (1904) (*abst*) Petermann's Mitt 1903 (Beil zum 49):67 (1903)

02c (**DuBois**, P. C., **Tibbits**, J. H., and **Tweedy**, G. A.) The copper resources of California. Cal St M Bur, B 23:282 pp, 69 ill, 9 maps (1902)

03 Physiography and geology of the Siskiyou Range. (*abst*) J G 11:100 (1903) Eng M J 75:154 (1903) G Zentralbl 9:378 (1907)

04 Stratigraphy of the southern coast ranges of California. (*abst*) G Soc Am, B 15:581-582 (1904) G Zentralbl 6:711 (1905)

05 A stratigraphic study in the Mount Diablo Range of California. Cal Ac Sc, Pr (3) G 2:155-248, il (1905) G Zentralbl 9:638 (1907)

08 A further stratigraphic study in the Mount Diablo Range of California. Cal Ac Sc, Pr (4) 3:1-40 (1908) (*abst*) G Zentralbl 13:481 (1909)

11 The Neocene deposits of Kern River, California, and the Temblor Basin. Cal Ac Sc, Pr (4) 3:73-146, il (1911) (*abst*) G Zentralbl 20:280-281 (1914)

14 (and **Martin**, B.) Neocene record in the Temblor Basin, Cal, and Neocene deposits of the San Juan district, San Luis Obispo Co. Cal Ac Sc, Pr (4) 4:15-112, il, maps (1914)

25 (and **Hanna**, G. D.) Fauna and stratigraphic relations of the Tejon Eocene at the type locality in Kern Co, Cal. Cal Ac Sc, Oc P 11:249 pp, 10 figs, 16 pls (incl map) (1925)

26 Origin of California petroleum. G Soc Am, B 37:585-614 (1926) (*abst*) N Jb 1928 Ref 2:586-587 (1928) G Zentralbl 37:134-136 (1928) (*abst*) Biol Absts 2:1256 (1928)

Anderson, Frank Marion—Cont.

27 History of theories regarding siliceous shale and the origin of oil. (*abst*) G Soc Am, B 38:197-199 (1927)

28 Late Cretacic fossils from Lower California. Pan Am G, 50, no 4:283-284 (1928) (*abst*) Biol Absts 4:216 (1930)

28a (and **Hanna,** G. Dallas) *Solen novacularis* a name for an Eocene fossil from California. Nautilus 42:65-66 (1928)

30 Age of Horsetown beds of California. (*abst*) Pan Am G 54:158 (1930)

30a Kreyenhagen shales and Cantua shale. (*abst*) Pan Am G 54:77 (1930)

Anderson, George H.

30 White Mountain quadrangle of California-Nevada. (*abst*) Pan Am G 54:156 (1930)

Anderson, Robert.

07 (and **Arnold,** R.) Geology and oil resources of the Santa Maria oil district, Santa Barbara Co, Cal. U S G S, B 322:161 pp, map (1907)

07a (with **Arnold,** R.) Metamorphism by combustion of the hydrocarbons in the oil-bearing shale of California. J G 15:750-758 (1907) (*abst*) G Zentralbl 12:6 (1909)

07b (with **Arnold,** R.) Preliminary report on the Santa Maria oil district, Santa Barbara Co, Cal. U S G S, B 317:69 pp, map (1907) (*abst*) G Zentralbl 11:300 (1908)

07c Earth flows at the time of the San Francisco earthquake. (*abst*) Science (n s) 25:769 (1907); G Soc Am, B 18:643 (1908)·

07d (with **Arnold,** R.) Diatomaceous deposits of northern Santa Barbara Co, Cal. U S G S, B 315:438-447 (1907)

08 (with **Arnold,** R.) The Coalinga, Cal, oil field. (*abst*) Science (n s) 28:127-128 (1908)

08a (with **Arnold,** R.) Conglomerate formed by a mineral-laden stream in California. G Soc Am, B 19:147-154 (1908) (*abst*) G Zentralbl 13:175 (1909)

08b (with **Arnold,** R.) Preliminary report on the Coalinga oil district, Fresno and Kings counties, Cal. U S G S, B 357:142 pp, maps (1908)

08c (Collaborator) The California earthquake of April 18, 1906; especially papers on the effect of the earthquake on buildings in San Mateo, earthflows, etc. Carnegie Inst, Wash, Pub 87:1, 2 pts and atlas, 451 pp (1908)

10 (with **Arnold,** R.) Geology and oil resources of the Coalinga district, Cal. U S G S, B 398:354 pp, il, map (1910); reprinted 1911. (*abst*) Wash Ac Sc, J 1:130-132 (1911)

Anderson, Robert—Cont.

11 Preliminary report on the geology and oil prospects of the Cantua-Panoche region, Cal. U S G S, B 431:58-87 (1911)

12 Preliminary report on the geology and possible oil resources of the south end of the San Joaquin Valley, Cal. U S G S, B 471:106-136, map (1912)

15 (and **Pack,** R. W.) Geology and oil resources of the west border of the San Joaquin Valley north of Coalinga, Cal. U S G S, B 603:220 pp, map (1915) (*abst*) Wash Ac Sc, J 5:647-648 (1915) (*abst*) Petermann's Mitt 1923:192 (1923) (*abst*) Eng Index 1915:356 (1915)

27 Origin of oil from marine plankton shales in California. (*abst*) G Soc Am, B 38:199-200 (1927)

Anderson, Robert J.

25 Bauxite. Min Ind 33:11-50, California 38:39 (1925)... 34:8-51, California 37-38 (1926)

Anderson, Winslow.

90 Mineral springs and health resorts of California, with a complete chemical analysis of every important mineral water in the world. 384 pp il San Francisco (1890)

Andrews, E. C.

09 Corrasion by gravity streams. R Soc, N S Wales, J Pr 43:204-330 (especially), 264-287, 292-305 (1909)

10 An excursion to the Yosemite (California), or studies in the formation of alpine cirques, "steps," and valley "treads." R Soc N S Wales, J Pr 44:262-315 (1910)

25 Structural unity of the Pacific region, evidence of the ore deposits. Ec G 20:707-722 (1925) (*abst*) G Zentralbl 34:150 (1926)

Angel, M.

90 Kern, Monterey, San Benito, San Luis Obispo, Santa Barbara, Tulare counties. Cal St M Bur, St Mineralogist's An Rp 10:219-226, 345-348, 515-517, 567-585, 595-599, 728-733 (1890)

Annales des Mines.

69 Sur les mines d'or et d'etain recemment discouveries dans les environs de Los Angeles. An Mines, B (6) 16:599-600 (1869)

Ansted, David Thomas (1814-1880).

49 The gold-seeker's manual; ...gold regions of California. 96 pp, N Y (1849)

Antevs, Ernst.

25 On the Pleistocene history of the Great Basin. Carnegie Inst, Wash, Pub

Antevs, Ernst—Cont.

352:51-114, 19 figs, 3 pls (1925) (*abst*) G Zentralbl 32:589-590 (1926) 33:567 (1926)

25a The big tree as a climatic measure. *In* Quaternary climates. Carnegie Inst. Wash, Pub 352:117-153, 1 pl, 7 figs (1925) (*abst*) Rv Geol et Sci conn 6:418-420 (1925)

29 Maps of the Pleistocene glaciations. G Soc Am, B 40:631-720 (1929)

Antisell, Thomas (1817–1893).

55 (On fossiliferous beds in San Luis Obispo Co, Cal.) Cal Ac N Sc, Pr 1:35-36 (1855; 2d ed, 1873:34-35)

56 Geological report (Parke's surveys in California and near thirty-second parallel). U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 7 pt 2:204 pp, maps (1856) (*abst*) Am J Sc (2) 26:126-127 (1858)

Appleford, William L.

25 (and **Macelwane**, J. B.) The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from October 1, 1922, to March 31, 1923. Cal Univ, Seism Sta, B, 2, no 5:67-87 (1925)... April 1, 1923 to September 30, 1923, no 6:91-105 (1925)

Arents, Albert.

67 Partzite, a new mineral (Mono Co, Cal). Am J Sc (2) 43:362 (1867)

Arnold, Delos.

96 An interrogation regarding the fossil shells of San Pedro Bay. Nautilus, 10:33-34, (1896)

97 Fossils of Dead Man's Island. Nautilus, 10:140-142 (1897)

02 (and **Arnold**, Ralph) The marine Pliocene and Pleistocene stratigraphy of the coast of southern California. J G 10:117-138, maps (1902)

Arnold, Ralph.

01 The geology in the vicinity of Stanford University. The Stanford Sequoia 10:301-304 and map (March 12, 1901)

02 (with **Arnold**, Delos) The marine Pliocene and Pleistocene stratigraphy of the coast of southern California. J G 10: 117-138, maps (1902)

02a The Pleistocene ecology of southern California. Science (n s) 15:415-416 (1902)

03 The paleontology and stratigraphy of the marine Pliocene and Pleistocene of San Pedro, Cal. Cal Ac Sc, Mem 3:420 pp, il (1903) Leland Stanford Jr. Univ, Cont Biol from the Hopkins Seaside Laboratory 31:420 pp, il (1903) (*abst*) Nature 59:266 (1904) (*abst*) G Zentralbl 6:709-710 (1905)

Arnold, Ralph—Cont.

04 The faunal relations of the Carrizo Creek beds of California. (*abst*) Science (n s) 19:503 (1904) G Zentralbl 9:397 (1907)

04a (with **Haehl**, H. L.) The Miocene diabase of the Santa Cruz Mountains in San Mateo Co, Cal. Am Ph Soc, Pr 43: 16-53, map (1904) (*abst*) G Zentralbl 9: 420 (1907) Nature 70:594 (1904)

05 (and **Strong**, A. M.) Some crystalline rocks of the San Gabriel Mountains, Cal. G Soc Am, B 16:183-204 (1905) (*abst*) Science (n s) 21:350 (1905) G Zentralbl 8:259 (1906)

06 Coal in the Mount Diablo Range, Monterey Co, Cal. U S G S, B 285:223-225 (1906)

06a The Salt Lake oil field near Los Angeles, Cal. U S G S, B 285:357-361 (1906)

06b The Tertiary and Quaternary pectens of California. U S G S, P P 47:264 pp, il (1906) Nature 75:184 (1906)

06c (with **Spencer**, A. C.) The cause of the great earthquake. World's Work 12:7678-7681 (1906)

07 (and **Anderson**, R.) Diatomaceous deposits of northern Santa Barbara Co, Cal. U S G S, B 315:438-447 (1907)

07a (and **Anderson**, R.) Preliminary report on the Santa Maria oil district, Santa Barbara Co., Cal. U S G S, B 317: 60 pp, map (1907) (*abst*) G Zentralbl 11: 300 (1908)

07b (and **Anderson**, R.) Metamorphism by combustion of the hydrocarbons in the oil-bearing shale of California. J G 15: 750-758 (1907) (*abst*) G Zentralbl 12:6 (1909)

07c (and **Anderson**, R.) Geology and oil resources of the Santa Maria oil district, Santa Barbara Co, Cal. U S G S, B 322:161 pp, map (1907)

07d The Santa Maria oil district, Cal (*abst*). Science (n s) 25:825 (1907)

07e New and characteristic species of fossil mollusks from the oil-bearing Tertiary formations of southern California. U. S. Nat Mus, Pr 32:525-546, il (1907) (*abst*) G Zentralbl 14:324 (1910)

07f Dome structure in conglomerate. J G 15:560-570 (1907)

07g Fossils of the oil-bearing formations of southern California. U S G S, B 309: 219-256, il (1907)

07h Geology and oil resources of the Summerland district, Santa Barbara Co, Cal. U S G S, B 321:93 pp, map (1907) (*abst*) G Zentralbl 11:700 (1908)

07i Das letzte grosse Erdbeben in California, seine Ursachen und Wirkungen. (*abst*) Technologist 12:68-71 (1907)

Arnold, Ralph—Cont.

07j (and **Eldridge**, G. H.) The Santa Clara Valley Puente Hills, and Los Angeles oil districts, southern California. U S G S, B 309:266 pp, map (1907) (*abst*) G Zentralbl 12:23-24 (1909)

08 (and **Anderson**, R.) The Coalinga, Cal, oil field. (*abst*) Science (n s) 28: 127-128 (1908)

08a (and **Anderson**, R.) Conglomerate formed by a mineral-laden stream in California. G Soc Am, B 19:147-154, (1908) (*abst*) G Zentralbl 13:175 (1909)

08b (and **Anderson**, R.) Preliminary report on the Coalinga oil district, Fresno and Kings counties, Cal. U S G S, B 357: pp, maps (1908)

08c (and **Johnson**, H. R.) The so-called volcano in the Santa Monica Mountains, near Los Angeles, Cal. Science (n s) 27:553-554 (1908)

08d New and characteristic species of fossil mollusks from the oil-bearing Tertiary formations of Santa Barbara Co, Cal. Smith Misc Col 50 (Q Issue 4):419-447, il (1908)

08e Dome structure in conglomerate. (*abst*) G Soc Am, B 18:615-616 (1908)

08f Notes on the occurrence of the recently described gem mineral, benitoite. Science (n s) 27:312-314 (1908)

08g The Miner ranch oil field, Contra Costa Co, Cal. U S G S, B 340:339-342 (1908)

08h Descriptions of new Cretaceous and Tertiary fossils from the Santa Cruz Mountains, Cal. U S Nat Mus, Pr 34:345-390, il (1908)

08i Description of a new brittle star from the upper Miocene of the Santa Cruz Mountains, Cal. U S Nat Mus, Pr 34:403-406, il (1908) (*abst*) G Zentralbl 14: 270 (1910)

09 (and **Johnson**, H. R.) The earthquake rift in eastern San Luis Obispo Co, Cal. (*abst*) Science (n s) 29:558 (1909)

09a (and **Johnson**, H. R.) Sodium sulphate in Soda Lake, Carriso Plain, San Luis Obispo Co, Cal. U S G S, B 380:369-371 (1909) (*abst*) G Zentralbl 14:125 (1910)

09b Paleontology of the Coalinga district, Fresno and Kings counties, Cal. U S G S, B 396:173 pp, il (1909) (*abst*) G Zentralbl 15:99-100 (1911)

09c Environment of the Tertiary faunas of the Pacific coast of the United States. J G 17:509-533 (1909) (*abst*) G Zentralbl 14:529-531 (1910)

09d (with **Branner**, J. C. and **Newsom**, J. F.) Description of the Santa Cruz quadrangle, Cal. U S G S, G Atlas Santa Cruz Fol (no 163): 11 pp, maps (1909)

10 (and **Anderson**, R.) Geology and oil resources of the Coalinga district, Cal. U S G S, B 398:354 pp, il, map 1910; reprinted 1911 (*abst*) Wash Ac Sc, J 1:130-132 (1911) G Zentralbl 16:231 (1911)

Arnold, Ralph—Cont.

10a (and **Johnson**, H. R.) Preliminary report on the McKittrick-Sunset oil region, Kern and San Luis Obispo counties, Cal. U S G S, B 406:225 pp, maps (1910) G Zentralbl 16:327 (1911)

11 The petroleum industry in California. M Sc Press 102:74-76, 104-105 (1911) (*abst*) Eng Index 1911:408 (1912)

13 (and **Hannibal**, H.) The marine Tertiary stratigraphy of the north Pacific coast of America. Am Ph Soc, Pr 52:559-605 (1913)

13a (with **Garfias**, V. R.) The prevention of waste of oil and gas from flowing wells in California. U S B M, Tech P 42:15 pp, 2 pls, 4 figs (1913)

14 (and **Garfias**, V. R.) Geology and technology of the California oil fields. Am I M Eng, B 87:383-467, map (1914) (*abst*) Eng Index 1914:457 (1915)

14a (and **Hannibal**, H.) Dickerson on California Eocene. Science (n s) 39:906-908 (1914)

14b (and **Garfias**, V. R.) Methods of oil recovery in California. U S B M, Tech P 70:57 pp (1914) (*abst*) Eng Index 1914: 456 (1915)

15 Petroleum resources and industries of the Pacific coast. *In* Nature and science on the Pacific Coast: 75-87, map, San Francisco (1915)

15a The petroleum resources of the United States. Ec G 10:695-712 (1915) Smiths Inst, An Rp 1916:273-287 (1917) (*abst*) G Zentralbl 28:37 (1922) (*abst*) Petermann's Mitt 1917:129-130 (1917)

16 Conservation of the oil and gas resources of the Americas. Ec G 11:203-222, 299-326 (1916)

17 General conditions of the petroleum industry and the world's future supply. G Soc Am, B 28:603-616 (1917)

17a Conservation of the oil and gas resources of the Americas. Pan Am Sc Cong, 2d, Pr sec 3, 3:207-237 (1917)

18 Topography and fault system of the region of the San Jacinto earthquake (Cal). Seism Soc Am, B 8:68-73 (1918)

18a (with **Clark**, B. L.) Marine Oligocene of the west coast of North America. G Soc Am, B 29:297-308 (*abst*) 153-154 (1918) (*abst*) Rv Geol et Sci conn 2:545-546 (1921)

20 The recent earthquakes at Los Angeles, Cal. Science (n s) 52:121-122 (1920)

20a Remarks. Seism Soc Am, B 10:297-299 (1920)

22 (and **Loel**, Wayne) New oil fields of the Los Angeles Basin, California. Am As Petroleum G, B 6:303-316, 2 figs (1922)

Arnold, Ralph—Cont.

Oil Eng and Fin 3:255-259 (1923) Petroleum Times 9:766 (1923) (*abst*) M Metal 4:229-230 (1923)

23 (with **Laughlin**, Homer, and **Kew**, William S. W.) Southern California earthquake of July 22, 1923. Seism Soc Am, B 13:105-106, 1 pl (1923)

23a Two decades of petroleum geology, 1903-1922. Am As Petroleum G, B 7:603-624 (1923) (*abst*) Eng Index 1923:506 (1924)

23b (and **Clark**, B. L.) Fauna of the Sooke formation, Vancouver Island. Cal Univ, Dp G, B 14:123-234, 28 pls (1923) (*abst*) Rv Geol et Sci conn 5:576-577, 599, 788 (1924) (*abst*) N Jb 1925, Band 1: 264 (1925)

Arnot, Stanley L.

25 Mining methods in the Mother Lode district of California. Am I M Eng, Tr 72:288-304 (1925). Also issued as paper no 1496-A:17 pp (September, 1925)

Arzruni, A.

84 Ueber einen Colemanit Krystall. Zs Kryst, 10:272 (1884)

Ashburner, Charles A.

86 Coal. U S G S, Min Res Calendar Year 1885: 10-73, California 11, 15, 18 (1886)... 1886: 224-377, California 225, 242-243 (1887)... 1887: 168-382, California 169, 171, 209-212 (1888)... 1888: 168-394, California 170, 177, 225 (1890)

Ashburner, William.

67 Report on the geological formation, etc., of Pacific slope. *In* Mineral resource of the States and Territories west of the Mississippi, by Browne and Taylor 37-49 (1867)

Ashley, George Hall.

93 An illustration of the flexure of rock. Cal Ac Sc, Pr (2) 3:319-324 (1893)

95 Studies in the Neocene of California. J G 3:434-454, map (1895) (*abst*) Petermann's Mitt 1895 (Beil zum 41): 177 (1895)

96 The Neocene stratigraphy of the Santa Cruz Mountains of California. Cal Ac Sc (2) 5:273-367 (1896) Rv by F. L. Ransome, Am G 17:331-335 (1896) (*abst*) N Jb 1898 Band 2:305 (1898) (*abst*) Petermann's Mitt 1896 (Beil zum 42): 59-60 (1896)

06 The geological prelude to the San Francisco earthquake. Pop Sc Mo 69:69-75 (1906)

23 A geologic time scale. Eng M J 115: 1106-1109 (1923) Coal Age 22:102-104 (1923)

Aston, James.

15 Manganese. Min Ind 23:508-520, California 514 (1915)... 24:481-495, California 481, 486 (1916)

16 Iron. Min Ind 24:382-437, California 383 (1916)

Atwood, Melville.

81 A contribution to Californian geology. *In* H. C. Burchard, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1880: 374-376 (1881)

88 Lithology of wall rocks. Cal St M Bur, St Mineralogist's An Rp 8:771-782 (1888) M Sc Press 58:168 (1889)

Aubury, Lewis E.

02 An administrative report of the State mineralogist. Cal St M Bur, Rep of the Board of Trustees: 13-17 (1902)

02a The copper resources of California. Cal St M Bur, B 23:282 pp, maps (1902)

03 The quicksilver resources of California. Cal St M Bur, B 27:273 pp, maps (1903)

04 The mineral wealth of California. 32-40. *In* Daniells, California, Its Products, Resources, Industries and Attractions. 208 pp, Sacramento (1904)

04a An administrative report of the State Mineralogist. Cal St M Bur, Rep of Board of Trustees: 9-14 (1904)

06 An administrative report of the State Mineralogist. Cal St M Bur, Rep of Board of Trustees: 8-19 (1906)

06a The structural and industrial materials of California. Cal St M Bur, B 38:13-378, maps (1906) (*abst*) G Zentralbl 9:13 (1907)

08 The copper resources of California. Cal St M Bur, B 50:366 pp, maps, ills (1908)

08a Biennial report of the State Mineralogist covering the fifty-eighth fiscal year ending June 30, 1907, and the fifty-ninth fiscal year ending June 30, 1908. Cal St M Bur, Rp Board of Trustees for 1907-1908, pp 11-22 (1908)

10 An administrative report of the state mineralogist (for 1908-9 and 1909-10). Cal St M Bur, Rp Board of Trustees: 11-24 (1910)

10a Gold dredging in California (Introductory). Cal St M Bur, B 57:XIII-XVI (1910)

Augur, Irving V.

20 Report on underground structure of the Monte Bello oil field, Los Angeles County, California, with particular reference to location of water-bearing forma-

Augur, Irving V.—Cont.

tions. Cal St M Bur, Summary of Operations, California Oil fields, State Oil and Gas Supervisor An Rp 5, no 11: 6-27, 10 pls (May, 1920)

20a Resume of oil-well operations in Imperial Valley. Cal St M Bur Summary of Operations, California Oil Fields, State Oil and Gas Supervisor An Rp 5, no 10:5-9, 1 fig (Apr, 1920)

Aurosseau, M.

23 (and **Bowen**, N. L.) Fusion of sedimentary rocks in drill holes (with discussion by Sidney Powers). G Soc Am, B 34:431-448, 3 figs (1923)

Austin, Mary.

06 The temblor; a personal narrative. Out West 24:6 June (1906). Reprinted in "The California earthquake of 1906" Jordan, David Starr, editor: 339-361, San Francisco (1907)

Averill, Charles Volney.

28 Redding field division: Tehama County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 24:211-216 (1928)

28a Redding field division: Plumas County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. State Mineralogist's Rp 24, no 4:261-316 (Oct, 1928)

29 Redding field division: Lassen and Modoc counties. Cal Dp Nat Res, Div Mines and Mining, Mining in California. State Mineralogist's Rp 25, no 1:2-19 (Jan, 1929)

29a San Francisco field division: Napa County. Cal Dp Nat Res, Mines and Mining, Mining in California. St. Mineralogist's Rp 25:213-242 (1929)

29b San Francisco field division: Lake County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:337-365 (1929)

29c Sacramento field division: Glenn County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:418-426 (1929)

29d San Francisco field division: Mendocino County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:456-467 (1929)

Ayers, **William O.**

85 Gravel deposits of the lower Klamath. M Sc Press 50:394 (1885)

Ayres, Edward F.

89 Mineralogical notes (thenardite, pyrite). Am J Sc (3) 37:235-236 (1889)

89a Notes on the crystallization of trona (urao). Am J Sc (3) 38:65-66 (1889)

Ayres, W. O.

82 The ancient man of Calaveras (Cal). Am Nat 16:845-854, il (1882)

Bache, Alexander Dallas.

56 Notice of earthquake waves on the western coast of the United States on the 23d and 25th of December, 1854. U S Coast S Rp 1855 (U S 34th Cong 1st sess S Ex Doc 22) 342-344 (1856)... U S Coast S Rp 1862:238-241 (1862) Am J Sc (2) 21:37-43 (1856)

Backus, H.

27 (and **Richardson**, G. B.) Natural gas. U S B M, Min Res, Calendar Year 1924:321-337, California 321, 324, 327-329 (1927)

28 (and **Hopkins**, G. R.) Natural gas. U S B M, Min Res, Calendar Year 1927: 129-137, California 129-130, 134, 136 (1928) ...1928:373-389 California 374, 376, 378, 379, 380, 382 (1930)

Bacon, Raymond Foss.

16 (and **Hamor**, W. A.) The American petroleum industry. 2 vols, 963 pp, N Y (1916)

Bagg, Rufus Mather.

05 Miocene Foraminifera from the Monterey shale of California, with a few species from the Tejon formation (geology by J C Branner). U S G S, B 268:55 pp, il, map (1905) (Review) Nature 75:183 (1906) (*abst*) G Zentralbl 10:380 (1908)

05a Foraminifera collected from the bluffs at Santa Barbara, Cal. Am G 35: 123-124 (1905) (*abst*) G Zentralbl 10:308 (1908)

12 Pliocene and Pleistocene Foraminifera from southern California. U S G S, B 513:153 pp, il (1912) (*abst*) G Zentralbl 21:137 (1915)

Bagley, Belle W.

24 (and **Burchard**, Ernest F.) Cement. U S G S, Min Res, Calendar Year 1921: 215-228, California 216, 220, 222, 224 (1924)... 1922: 227-249, California 232-233, 238, 243 (1925)... 1923:293-325, California 296 (1927)... U S B M Calendar year 1924: 347-383, California 361, 366-369, 370 (1927)

28 Cement. U S B M, Min Res 1925: 255-279, California 258, 263-264, 266-267 (1928)... 1926:303-334, California 311, 313-315, 318-319 (1929)... 1927:269-298, California 275-277, 279, 281, 289 (1929)

Bailey, Gilbert Ellis.

02 The saline deposits of California. Cal St M Bur, B 24:216 pp, maps (1902) Eng M J 74:452 (1902)

Bailey, Gilbert Ellis—Cont.

02a Minerals of California. Cal St M Bur. 56 pp, 5 il, 20 maps of counties, Sacramento (1902)

04 The desert dry lakes of California. M Sc Press 89:138, 161, 174, 192-193, 205-206, 222-223, 241-242, 255 (1904) (*abst*) G Zentralbl 9:355 (1907)

05 The desert: its resources, water supply, and development. M World 23, no 17:471-473, map (1905)

06 The borax deposits of California. M World 24:4-5 (1906) (*abst*) Eng Index 1906:326 (1907)

23 Check list of the geologic formation names of California. 15 pp, University of Southern California (1923)

24 California, a geologic wonderland. 119 pp, 1 pl, Los Angeles, The Times-Mirror Press (1924)

Bailey, J. P.

27 (and **Reed,** R. D.) Subsurface correlation by means of heavy minerals. Am As Petroleum G, B 11:359-372, 4 figs (1927) (*abst*) Rv Geol et Sci conn 8:584-585 (1927)

Bailey, Jacob Whitman (1811-1857).

55 On some new localities of fossil diatomaceae in California and Oregon. Am J Sc (2) 17:179-180 (1854) Q J Micro Sc 3:91-92 (1855) (*abst*) N Jb 1856:354 (1856)

55a Notes upon silicified plants found fossil in California by W P Blake, geologist of the expedition under the command of Lieutenant A S Williamson. U S Pacific R R Expl (U S, 33d Cong 1st sess, H Ex Doc 129) Appendix to the preliminary geological report of W. P. Blake: 28-29 (1855)

55b Letter upon infusorial fossils (diatoms from California)... In Beckwith, E. G., Report... forty-first parallel. U S, Pacific R R Expl (U S, 33d Cong 1st sess, H Ex Doc 129 v 18 pt 2): 135-136 (1855); also (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 2:111-112 (1855)

57 . . . structure of the fossil plant from Posuncula River (Williamson's reconnaissance in California) U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Doc 91) 5 pt 2:337, il (1857)

Bailey, T. L.

28 (and **Woodford,** A. O.) Northwestern continuation of the San Onofre breccia. Cal Univ, Dp G, B 17:187-191, 1 fig (1928) G Zentralbl 39:48 (1929)

30 Eocene age of Markley formation. (*abst*) Pan Am G 54:78 (1930)

30a The geology of the Potrero Hills and Vacaville region, Solano County, California. Cal Univ, Dp G, B 19:321-333, 2 pls (1930)

Bain, H. Foster.

08 Some recent literature on petroleum. Ec G 3:231-246 (1908)

14 Potash. Min Ind 22:611-621. California 611-615, 617, 619-620 (1914)

Baird, B. A.

11 Preliminary report of measurements of the earthquake monuments in Marin and San Mateo counties for the Seismological Society of America, May, 1911. Seism Soc. Am, B 1:35-37 (1911)

Baker, Charles Laurence.

11 Notes on the later Cenozoic history of the Mohave Desert Region in southeastern California. Cal Univ, Dp G, B 6:333-383 il (1911) (*abst*) G Zentralbl 21:320 (1915)

12 Physiography and structure of the western El Paso Range and the southern Sierra Nevada. Cal Univ, Dp G, B 7:117-142 (1912)

13 The nature of the later deformations in certain ranges of the Great Basin. J G 21:273-278 (1913) (*abst*) G Zentralbl 20:652 (1914)

Baldwin, A. L.

04 Triangulation in California. U S Coast S, Rp Supt 1904, App 9:489–763, 21 ill (1904)

07 (and **Hayford,** John F.) The earth movements in the California earthquake of 1906. *In* Report of the Superintendent of the U S Coast and Geodetic Survey showing the progress of the work from July 1, 1906, to June 30, 1907. App 3:69-104 (1907) (*abst*) Am Geog Soc, B 40:353, 616-617 (1908)

11 (and **Duvall,** C. R.) Triangulation in California. U S Coast S, Rp Supt 1910, App 5:173-429, 40 ill (1911)

Baldwin, D. H.

08 (and **Gannett,** S. S.) Results of spirit leveling in California, 1896-1907, inclusive. U S G S, B 342:172 (1908)

Baldwin, J. M.

76 Our petroleum fields. *In* Condition, Progress, and Advantages of Los Angeles City and County, compiled by A. T. Hawley, pp 134, 135, published by Los Angeles Chamber of Commerce (1876)

Ball, Sydney Hobart.

06 Notes on ore deposits of southwestern Nevada and eastern California. U S G S, B 285:53-73 (1906)

07 A geologic reconnaissance in southwestern Nevada and eastern California. U S G S, B 308:218 pp, map (1907)

Balk, R.

28 (and **Cloos**, H.) Primary structure of the Sierra Nevada intrusive in a cross-section from Yosemite Valley to Mono Lake, California. (*abst*) G Soc Am, B 39: 185 (1928)

Bancroft, A. L.

71 Bancroft's Tourist's Guide. 252 pp. Alabaster Cave 77-87.

Bancroft, George J.

08 The formation and enrichment of ore-bearing veins. Am I M Eng, Tr 38:245–268 California 267 (1908)

Barber, William Burton.

02 (with **Nutter**, E. H.) On some glaucophane and associated schists in the coast range of California. J G 10:738-744 (1902) (*abst*) G Zentralbl 9:598 (1907)

Barbour, Percy E.

09 The Los Angeles oil industry (Cal). Eng M J 88:365-366 (1909)

30 Copper. Min Ind, 38:116–172 California 136 (1930)

Barksdale, Julian D.

30 (and **Cushman**, J. D.) Eocene foraminifera from Martinez, California. Stanford Univ, Dp G, Contr 1, no 2:22 pp. 2 pls (1930)

Barnes, G. W.

79 The hillocks or mound formation of San Diego, Cal. Am Nat 13:565-571 (1879)

Barnes, R. M.

22 Operations District No. 5, Report on Coalinga field. Cal St M Bur, Mo Chapter of State oil and gas supervisor An Rp 7, no 8:35-46 (February, 1922)

22a A preliminary report on the Tulare Lake region. Monthly Chapter of State oil and gas supervisor An Rp 8, no 1:13-26 (July 1922)

23 (and **Collom**, R. E.) California oil production and reserves. Cal St M Bur, Mo Chap of State oil and gas supervisor An Rp 9, no 2:5-23 (August, 1923)

Barrows, David P.

00 The Colorado Desert. Nat Geog Mag 11:337-351 (1900)

Bartlett, John Russell.

54 Personal narrative of explorations and incidents in Texas, New Mexico, California, Sonora, and Chihuahua. 2 vols, 1130 pp (1854)

Bartlett, R. L.

14 Zinc. Min Ind 22:778-805, California, 784, 790 (1914)... 23:764-794, California 779, 783 (1915)... 24:710-740, California 726 (1916)

Barton, Stephen.

89 A "black sand" lode. M Sc Press 58:374 (1889)

90 The gold belt of California. M Sc Press 61:207, 217, 314, 330, 346, 369, 394 (1890)

Bartsch, Paul.

01 (with **Dall**, W. H.) A new California *Bittium*. Nautilus 15:58-59 (1901)

11 The recent and fossil mollusks of the genus *Alabina* from the west coast of America. U S Nat Mus, Pr 39:409-418, il (1911)

11a The recent and fossil mollusks of the genus *Cerithiopsis* from the west coast of America. U S Nat Mus, Pr 40:327-367, il (1911)

11b The recent and fossil mollusks of the genus *Diastoma* from the west coast of America. U S Nat Mus, Pr 39:581-584, il (1911)

11c The recent and fossil mollusks of the genus *Bittium* from the west coast of America. U S Nat Mus, Pr 40:383-414, il (1911)

11d The recent and fossil mollusks of the genus *Alvania* from the west coast of America. U S Nat Mus, Pr 41:333-362, il (1911)

15 The recent and fossil mollusks of the genus *Rissoina* from the west coast of America. U S Nat Mus, Pr 49:33-62, il (1915)

17 A monograph of West American melanellid mollusks. U S Nat Mus, Pr 53:295-356, il (1917)

Baskerville, Charles (1870-1922).

03 Kunzite, a new gem. Science (n s) 18:303-304 (1903)

Basse, Eliane.

28 Quelques invertebres Cretaces de la Cordillere Andine. Soc G, France, B (4), T 28:113-147, California 141 (1928)

Bastin, Edson S.

08 Quartz. U S G S, Min Res, Calendar Year 1907:843-850, California 849 (1908)

11 Feldspar. U S G S, Min Res, Calendar Year 1909:910-913, California 911 (1911)... 1910:968-975, California 969 (1911)

12 Graphite. U S G S, Min Res, Calendar Year 1911:1079-1112, California 1088 (1912)... 1912:1061-1069, California 1066 (1913)... 1913:181-251, California 188, 196-197 (1914)... 1914:159-174, California, 164-166 (1916)... 1915:81-93 California 87-89 (1917)

Bastin, Edson S.—Cont.

19 Antimony. U S G S, Min Res, Calendar Year 1916:723-729, California 724 (1919)... 1917:653-663, California 656-657 (1921)

Bateson, Charles E. W.

06 The Mojave mining district of California. Am I M Eng, B 7:65-82 (1905); Tr 37:160-177 (1907) (*abst*) G Zentralbl 12:12 (1909) (*abst*) Eng Index 1906:281 (1907)

Bauer, Louis Agricola.

06 Magnetograph records of earthquakes with special reference to the San Francisco earthquake, April 18, 1906. Terr Magn 11:135-144 (1906)

06a Seismograph and magnetograph records of the San Francisco earthquake. April 18, 1906. Pop Sc Mo 69:116-127 (1906)

06b (and **Burbank**, J. E.) The San Francisco earthquake of April 18, 1906, as recorded by the Coast and Geodetic Survey magnetic observatories. Nat Geog Mag 17:298-300 (1906)

Baumhauer, H.

09 Ueber die Winkelverhältnisse des Benitoit. Centralbl Miner 1909:592-594 (1909)

Baverstock, R. S.

02 Quicksilver. M Sc Press 84:4-5 (1902)

06 A California scheelite deposit. M World 24:414-415 (1906)

Bayley, W. S.

06 California mines and minerals (Review) Ec G 1:707-711 (1906)

09 Review of the production of precious stones in 1906 by D. B. Sterrett. N Jb 1909, Band 1, Referate:30-32 (1909)

22 (**Reis**, **H.** and others) High-grade clays of the eastern United States, with notes on some western clays. U S G S, B 708:314 pp, 38 figs, 30 pls. California 126 (1922)

Beach, L. M.

21 Feldspar. U S G S, Min Res, Calendar Year 1918:945-949, California 946-947 (1921)... 1919:377-378, California 377 (1922)... 1920:153-154, California 153 (1923)

22 Graphite. U S G S, Min Res, Calendar Year 1919:309-324, California 310-311 (1922)... 1920:81-86, California 81-83 (1923)... 1921:7-12, California 7 (1924)

22a (and **Coons**, A. T.) Pumice. U S G S, Min Res, Calendar Year 1919:381-386, California 382 (1922)... 1920:155-159, California 156 (1923)... 1921:15-18, California 15 (1924)

Beach, L. M.—Cont.

22b Quartz. U S G S, Min Res, Calendar Year 1919:379-380, California 380 (1922)... 1920:151-152, California 152 (1923)... 1921:19-20. California 19 (1924)

22c (and **Coons**, A. T.) Diatomaceous earth. U S G S, Min Res, Calendar Year 1919:381-386, California 382, 385 (1922)... 1920:155-159, California 156 (1923)... 1921: 15-18, California 15 (1924)... 1922:221-225, California 221 (1925)

22d (and **Coons**, A. T.) Grinding pebbles. U S G S, Min Res, Calendar Year 1919:381-386, California 382 (1922)... 1920: 155-159, California 156 (1923)... 1921:15-18, California 15 (1924)... 1922:221-225, California 221 (1925)

22e Sand and gravel. U S G S, Min Res, Calendar Year 1920:167-176, California 171-173 (1922)... 1921:147-154, California 148-150, 153 (1924)... 1922:187-194, California 188, 190, 193 (1925)

Beal, Carl Hugh.

13 (and **Jordan**, David Starr) Supplementary notes on fossil sharks. Cal Univ, Dp G, B 7:243-256 (1913)

14 The earthquake in the Santa Cruz Mountains, Cal, Nov 8, 1914. Seism Soc Am, B 4:215-219, map (1914)

15 The earthquake at Los Alamos, Santa Barbara Co, Cal, Jan 11, 1915. Seism Soc Am, B 5:14-25 (1915)

15a The earthquake in the Imperial Valley, Cal, June 22, 1915. Seism Soc Am, B 5:130-149 (1915)

19 (and **Nolan**, E. D.) Application of the law of equal expectations to oil production in California. Am I M Eng, B 152:1237-1245 (Aug, 1919)

29 (and **Heller**, A. H.) The Kettleman Hills oil field. Oil Bull 15:1289–1295 (1929) (*abst*) Eng Index 1929:1301 (1930)

Bealey, A.

52 Zinnober-Erz aus Neu-Almaden in Californien. Chem Soc Q J 4:180 (1852) (*abst*) N Jb 1854:183 (1854)... 1856:686 (1856)

Becker, George Ferdinand (1847-1919).

80 Reconnaissance of the San Francisco, Eureka and Bodie districts. U S G S An Rp 1:29-35 (1880)

84 The relations of the mineral belts of the Pacific slope to the great upheavals. Am J Sc (3) 28:209-212 (1884)

84a (Notes on California). Science 3:665 (1884)

84b U. S. Geological Survey work in California. Science 3:665 (1884)

84c Report, division of the Pacific. U S G S, An Rp 4 1882-1883:34-41 (1884)... 5 1883-1884:47-49 (1885)... 6 1884-1885:67-70 (1885)

Becker, George Ferdinand—Cont.

85 Geological sketch of the Pacific division. U S, 10th Census 13:5-59, California 7-26 (1885)

85a Notes on the stratigraphy of California. U S G S, B 19:28 pp (1885) (*abst*) N Jb 1887, Ref 108 (1887) (*abst*) Petermann's Mitt 1887 (Beil zum 33):11 (1887)

85b The geometrical form of volcanic cones and the elastic limit of lava. Am J Sc (3) 30:283-293 (1885)

86 Cretaceous metamorphic rocks of California. Am J Sc (3) 31:348-357 (1886) (*abst*) Nature 34:80-81 (1886)

87 Natural solutions of cinnabar, gold, and associated sulphides. Am J Sc (3) 33:199-210 (1887)

87a A sketch of the geological development of the Pacific slope. Newport N H Soc, Pr 5:3-11 (1887)

88 Cache Lake beds, Lake County, California. U S G S, Mon 13:219 (1888)

88a Geology of the quicksilver deposits of the Pacific slope. U S G S, An Rep 7:93-94, 96 (1888)

88b Geology of the quicksilver deposits of the Pacific slope. U S G S, Mon 13:xix, 486 pp, atlas (1888) Petermann's Mitt 1892 (Beil zum 38):53 (1892)

88c Report, California division of geology. U S G S, An Rp 7 1885-1886:93-97 (1888)... 8 1886-1887 pt 1:153-155 (1889)... 9 1887-1888:100-102; *abst ib* 14-15 (1889)... 10 1888-1889 pt 1:141-144, *abst ib* 27-28 (1890)... 11 1889-1890 pt 1:95-96 (1891)... 12 1890-1891 pt 1:104-106 (1891)... 13 1891-1892 pt 1:133-135 (1892)... 14 1892-1893 pt 1:192 (1893)

89 Summary of the geology of the quicksilver deposits of the Pacific slope. U S G S, An Rp 8:961-985 (1889)

89a Investigations of quicksilver deposits of the Pacific slope: U S G S, An Rp 9:100-101 (1889)

89b Where are there fossils on the gold belt? M Sc Press 59:22 (1889)

91 The structure of a portion of the Sierra Nevada of California. G Soc Am, B 2:49-74 (1891)

91a Antiquities from under Tuolumne Table Mountain in California (with discussion by G. F. Wright). G Soc Am, B 2:189-198 (1891)

91b Notes on the early Cretaceous of California and Oregon (with discussion by G. M. Dawson, J. S. Diller, and C. A. White). G Soc Am, B 2:201-206 (1891)

91c The crystalline schists of the Coast Ranges of California. Int G Cong, 4, London 1888, C R:170-175 (1891)

93 Quicksilver ore deposits. U S G S, Min Res 1892:139-168 (1893)

Becker, George Ferdinand—Cont.

97 The Witwatersrand banket, with notes on other gold-bearing pudding stones. U S G S, An Rp 18 pt 5:153-184, California 180-181 (1897)

97a (with **Turner**, H. W., and **Lindgren**, Waldemar) Description of the gold belt. *In* U S G S, G Atlas Sonora fol, no 41:2 pp (1897)... Bidwell Bar fol, no 43:2 pp (1898)... Downieville fol, no 37:2 pp (1897)

98 Auriferous conglomerates of the Transvaal. Am J Sc (4) v:193-208 (1898)

Beckman, J. W.

16 Borax. Min Ind 34:63-66, California 63-65 (1916)... 35:84-85, California 84 (1917)... 36:70-82, California 70-71 (1918)

16a Potash. Min Ind 24:587-590, California 588-589 (1916)... 25:602-607, California 605 (1917)... 26:556-575, California 556-557, 558, 559, 560, 561, 562, 564 (1918)... 27:582-603, California 592-596, 597 (1919)

Beckwith, Edward Griffin.

55 Report of explorations for the Pacific Railroad on the line of the forty-first parallel of north latitude. U S Pacific R R Expl. (U S 33d Congress 1st sess, H Ex D 129, 18, pt 2):1-77 (1855) (U. S. 33d Congress 2d sess S Ex D 78 and H Ex D 91) 2:1-66 (1855)

Beechey, Capt. F. W.

31 Narrative of a voyage to the Pacific and Behring Strait, to cooperate with the Polar expedition performed in His Majesty's ship Blossom, under the command of Capt. F. W. Beechey. London, 1831. 2 vols. (*abst*) Cal St M Bur, B 30:144-147 (1904)

Beede, J W.

24 (and **Kniker**, Hedwig T.) Species of the genus *Schwagerina* and their stratigraphic significance. Texas Univ, B 2433: 96 pp, 9 pls, California, 55-56 (1924)

Behre, Charles H. Jr.

21 Native antimony from Kern County, California. Am J Sc (5) 2:330-333 (1921) Min Absts 2:364 (1924)

25 Manganese. Min Ind 33:472-489, California 476-477 (1925)... 34:444-460, California 449 (1926)

Bell, A. H.

30 Oil drainage and gas conservation problems in Kettleman Hills. Nat Pet News 22:53-56 (Aug. 1930)

Bell, E. C.

19 Geology of the California fields. Oil Gas J Suppl. May 30:253-255 (1919)

Bell, J. Franklin.

29 Flood control on the Sacramento. Military Eng 21 (115): 6-9, January-February, 1929 (*ann*) An Bib Ec G 2:155 (1929)

Bender, C. H.

17 Lead. Min Ind 25:437-459, California 437, 445 (1917)

Benedict, William, de L.

90 The San Jacinto (Cal) tin mines. Eng M J 50:450-453, Editorial on same p 447, New York (1890)

93 Tin. Min Ind 1:439-457, California 452-453 (1893)

Benjamin, S. W.

08 Foothill copper belt of the Sierra Nevada. M Sc Press 97:490 (1908)

Benson, W. N.

20 The western Cordilleran of North America. *In* his The tectonic conditions accompanying the intrusion of basic and ultrabasic igneous rocks. G Soc Am, B 31: 144-148 (1920) Nat Ac Sc, Mem 19:60-65 (1926)

Bentz, G.

13 Kalisalzvorkommen in Nordamerika. Zs Prak G 1913:419-422 (1913)

Bergland, Eric.

76 Temescal tin mines, California. *In* Wheeler, G. M., Annual Report... surveys west of the 100th meridian...:68-69 (1876) Also in U S (War Dp) Chief Eng, An Rp 1876 (U S, 44th Cong 2d sess, H Ex Doc 1 pt 2, v 2 pt 3) App JJ 288-289 (1876)

Berkey, Charles P.

14 Corundum and emery. Min Ind 22: 2-6, California 3 (1914)

29 (with **Elliott**, G. A., **Hinderlider**, M. C., **Louderback**, G. D., **Savage**, J. L., and **Williams**, Ira A.) Report of the Consulting Board on Safety of the Proposed San Gabriel Dam, Los Angeles, Cal. Cal State Dept of Public Works. Div Water Resources Rp: 10 pp (1929) (*ann*) An Bib Ec G 3:429 (1931)

29a A fossil *Meliosma* from the Miocene of California. Wash Ac Sc, J 19, no 5:99-100, 2 figs (March 4, 1929)

30 (**Louderback**, G. D., **Elliott**, G. A. **Savage**, J. L. and **Williams**, I. A.) Report of the Consulting Board on the safety of the Mulholland Dam, Hollywood. Cal St, Dp Pub Works, Div Water Resources, Rp:14 pp (June, 1930) (*ann*) Ann Bibl Ec G 3:430 (1931)

Berliner, J. F. T.

30 Potash bibliography to 1928. (*ann*) U S B M, B 327:578 pp (1930)

Bernewitz, M. W. von.

14 Gold and silver. Min Ind 22:261-360, California 267, 273-276 (1914)... 24:274-296, California 279-283 (1916)... 25:272-368, California 281, 287-290 (1917)... 26:213-273, California 227, 232-235 (1918)... 27:249-314, California 270, 274-277 (1919)... 28:235-295 California 250, 255-259 (1920)... 29:241-310, California 263, 267-270 (1921)... 30:235-302, California 258, 259, 260, 264-267 (1922)... 31:269-327, California 287-288, 290-292 (1923)... 32:251-302, California 266, 267, 270-271 (1924)... 33:266-324, California 280, 281, 284-286 (1925)... 34:287-340, California 295, 302-306 (1926)... 35:254-311, California 266, 267, 271-273 (1927)... 36:213-254, California 220, 221, 228-229 (1928)

Bernt, D. M., Jr.

28 (with **Hertel**, F. W., and **Pieper**, H. K.) Oil fields of Ventura County and Newhall district. Oil Bull 14:370-374 (1928) (*ann*) An Bib Ec G 1:228 (1928)

Berry, Edward W.

27 Links with Asia before the mountains brought aridity to the western United States. Sc Mo 25 (4):321-328, 1 fig (1927) (*abst*) Biol Absts 2:1252 (1928)

27a The flora of the Esmeralda formation in western Nevada. U S Nat Mus, Pr 72, art 23:1-15, 2 pl. (1927) (*abst*) Biol Absts 3:288 (1929)

Berry, S. Stillman.

08 Miscellaneous notes on California mollusks. Nautilus, 22:37-41 (1908)

22 Fossil chitons of western North America. Cal Ac Sc, Pr (4) 11:399–526; 11 figs, 16 pls (1922) G Zentralbl 29:315-316 (1923)

Bertrand, Emile.

81 Zinnober von Californien. Zs Kyrst, 2:199 (1878). Soc Minér France, B 4:87 (1881)

Bevan, Arthur.

29 Review of recent volcanic eruption near Lassen Peak, California, by Howell Williams. J G 37:186-187 (1929)

Bibbins, Arthur.

05 (with **Ward**, Lester Frank, **Fontaine**, W. M., and **Wieland**, G. R., collaborators) Status of the Mesozoic floras of the United States (second paper) U S G S, Mon 48:616 pp, pls (1905)

Birdseye, C. H.

23 Triangulation and primary traverse, 1916-1918. U S G S, B 709:914 pp, California, 513-592 (1923)

25 Spirit leveling in California. 1896-1923. U S G S, B 766:748, 2 pls (1925)

Birkinbine, John.

97 Manganese ores. U S G S, An Rp 18 pt 5:291-328, California 300-301 (1897)... An Rp 19 pt 6:91-125, California 91, 96 (1898)... An Rp 20 pt 6:125-158, California 126, 131 (1899)... An Rp 21 pt 6:129-162, California 130, 136 (1901)

01 Manganese ores. U S G S, Min Res, Calendar year 1900:115-140, California 116, 120 (1901)... 1901:127-155 California 128, 133 (1902)... 1902:133-161, California 134, 139 (1904)... 1903:129-156, California 130, 135 (1904)... 1904:113-140, California 114, 120 (1905)... 1905:87-111, California 88, 92 (1906)

Black, James E.

27 (**Mann,** L. and **Tryon,** F. G.) Coal. U S B M, Min Res, Calendar Year 1924: 459-589, California 463, 469, 471, 498, 500, 504, 506, 587 (1927)

28 Fuel briquets. U S B M, Min Res, Calendar Year 1925:1-5, California 4 (1928)

Black, J. S.

60 Report of the Attorney General (on the New Almaden quicksilver mine) to the President on the resolutions of the Legislature of California. 10 pp, Washington (1860)

63 The notes on the history of quicksilver in California, in the case of the United States vs. Andreas Castillero, decided by the Supreme Court, December term, 1862: U S Supreme Court Rep 67 (v 2 of Black series), pp. 42, 84-88, 147-148, 349, 1862 (1863)

Blackwelder, Eliot.

12 United States of America. Handbuch der regionalen Geologie (Steinmann and Wilckens) Bd 8, Abt 2 (Heft 11):258 pp. Heidelberg, (1912) Also issued under the title Regional geology of the United States of North America. 258 pp N Y (1913?) (*abst*) G Zentralbl 19:688 (1913)

17 (with **Thelen,** Max, and **Folsom,** David M.) Report of Committee on petroleum, California State Council of Defense. 191 pp, 41 pls, 34 tables (1917)

27 Scarp at the mouth of the Kern River Canyon. (*abst*) G Soc Am, B 38: 207 (1927)

28 Evidence of a third glacial epoch in the Sierra Nevada Mountains. (*abst*) G Soc Am, B 39:268 (1928)

28a Origin of the desert basins of southwest United States. (*abst*) G Soc Am, B 39:262-263 (1928)

29 Moraines of Convict Lake Glacier. (*abst*) G Soc Am, B 40-171 (1929) Pan Am G 49:309 (1928)

Blackwelder, Eliot—Cont.

29a Origin of the Piedmont Plains of the Great Basin (*abst*) G Soc Am, B 40:168-169 (1929)

29b Sandblast action in relation to the glaciers of the Sierra Nevada. (*abst*) J G 37:256-260 (1929) G Zentralbl 40:396 (1929)

29c Glacial history of the east side of the Sierra Nevada. (*abst*) G Soc Am, B 40:127 (1929) (Summary statement) Pan Am G 51:152 (1929)

29d Notes on geology of Death Valley. (Summary statement) Pan Am G 51:369 (1929) (*abst*) G Soc Am, B 41:150 (1930)

29e Striated boulders as evidence of glacial erosion. (Summary statement) Pan Am G 51:374-375 (1929) (*abst*) G Soc Am, B 41:154 (1930)

29f A mastodon skeleton near San Francisco Bay. Wash Ac Sc, J 19:29-30 (1929) (*abst*). Rev Geol et Sci conn 10: 344 (1929) G Zentralbl 39:408 (1929)

29g A recent earthquake in the Sierra Nevada. Seism Soc Am, B 19:52-53 (1929)

30 Landslide family and its relations. (*abst*) Pan Am G 54:73 (1930)

30a Specific evidence of deflation in deserts. G Soc Am, B 41:145 (1930)

30b Correlation of glacial epochs in western United States. (*abst*) Pan Am G 53, no 2:133-134 (March, 1930) G Soc Am, B 41:91-92 (1930)

30c Pleistocene lakes of Basin Range Province. (*abst*) Pan Am G 54:156:157 (1930)

Blake, James.

52 On the diluvial or Quaternary deposits in California. Am J Sc (2) 13:385-391 (1852)

63 On the gradual elevation of the land in the environs of San Francisco. Cal Ac Sc, Pr 3:45-46 (1863)

70 Report of the subcommittee on earthquake topics. San Francisco, Chamber of Commerce, An Rp 20:14-15 (1870)

73 Remarks on the topography of the Great Basin. Cal Ac Sc, Pr 4:276-278 (1873) Am J Sc (3) 6:59-60 (1873)

75 Roscoelite, a vanadium mica. Cal Ac Sci, Pr 6:150 (1875) Am J Sc (3) 12: 31-32 (1876) (*abst*) G Rec 1876:224 (1878)

76 On the results of glacial action at the head of Johnson's Pass in the Sierras. Cal Ac Sc, Pr 6:170-175 (1876)

Blake, John M.

67 On the crystallization of natural hydrated terpin from California. Am J Sc (2) 43:202 (1867)

Blake, Theodore Augustus.

68 Topographical and geological features of the northwest coast of America. Am J Sc (2) 45:242-247 (1868)

Blake, William Phipps (1826-1910).

53 Preliminary geological report of the U. S. Pacific Railroad Survey under the command of Lieut. R. S. Williamson 1853. Am J Sc (2) 19:433-434 (1855)

54 Ancient lake in the Colorado Desert. Am J Sc (2) 17:435-438 (1854)

54a Recent earthquake shocks in California. Am J Sc (2) 18:151 (1854)

54b On gold and platinum of Cape Blanco (Cal). Am J Sc (2) 18:156 (1854)

54c Notes on California. Am J Sc (2) 18:441 (1854)

54d Quicksilver mine of Almaden, Cal. Am J Sc (2) 17:438-440 (1854)

55 Notice of remarkable strata containing the remains of Infusoria and Polythalmia in the Tertiary formation of Monterey, Cal. Ac N Sc Phila, Pr 7:328-331 (1855)

55a Observations on the extent of the gold region of California and Oregon... Am J Sc (2) 20:72-85 (1855) M Mag 5:32-45 (1855)

55b Remains of the mammoth and mastodon in California. Am J Sc (2) 19:133 (1855)

55c Preliminary geological report (Williamson's reconnaissance in California). U S, Pacific R R Expl (U S, 33d Cong 1st sess, H Ex Doc 129):80 pp, (1855)

55d Remarks in conclusion (of Conrad's report on the fossil shells collected in California). U S, Pacific R R Expl (U S, 33d Cong 1st sess, H Ex Doc 129) Appendix to the preliminary geological report of W. P. Blake:20-21 (1855) Am J Sc (2) 21:270-272 (1856) N Jb 1857:241-244 (1857)

55e Mercury; Santa Clara County, New Almaden; Guadalupe mine; Monterey County. Am J Sc (2) 20:80 (1855)

55f Notes upon silicified plants found as fossils in California. U S 33d Cong, 1st sess, No 129 App:20-21, 28-29 (1855)

55g Observations on the extent of the gold region of California and Oregon, with notices of mineral localities in California, and of some remarkable specimens of crystalline gold. Am J Sc (2) 20:72 (1855)

55h On the grooving and polishing of hard rocks and minerals by dry sand. Am J Sc (2) 20:178 (1855) Am As, Pr 9:216-220 (1855). Pacific Railway Rps 5:92 (1856)

56 General report upon the geological collections (made on Whipple's reconnaissance near the thirty-fifth parallel). U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 3 pt 4:1-119, map (1856)

Blake, William Phipps—Cont.

56a Observations on the character and probable geological age of the sandstone formation of San Francisco. (*abst*) Am As, Pr 9:220-222 (1856)

56b Observations on the physical geography and geology of the coast of California from Bodega Bay to San Diego. U S Coast S, Rp 1855 (U S, 34th Cong 1st sess, S Ex Doc 22):376-398 (1856)

56c Remarks upon the geology of California, from observations in connection with the United States surveys and explorations for a railroad route to the Pacific. Am As, Pr 9:222-225 (1856)

56d Earthquakes in California. Am J Sc (2) 21:449 (1856)

56e Report on the geology of the route near the thirty-second parallel... (Pope's reconnaissance). U S, Pacific R R Expl, (U S, 33d Congress 2d Sess, S Ex D 78 and H Ex D 91) 2:50 pp, map (1856)

56f On the rate of evaporation on the Tulare Lakes of California. Am J Sc (2) 21:365-368 (1856)

56g Review of a portion of the geological map of the United States and British Provinces by Jules Marcou. Am J Sc (2) 22:383-388 (1856)

57 Note on the occurrence of telluret of silver in California. Cal Ac N Sc, Pr 1:96-97 (1857; 2d ed, 1873:107-108) Am J Sc (2) 23:270-271 (1857)

57a Observations on the orography of the western portion of the United States. Am As, Pr 10, pt 2:119-134 (1857) (*abst*) Edinb N Ph J (n s) 5:370-374 (1857)

57b Geological report (Williamson's reconnaissance in California). U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91), 5 pt 2:370 pp, il, maps (1857) Another ed. with title, Report of a geological Reconnaissance in California... N Y (1858) (*abst*) Am J Sc (2) 26:122-127 (1858)

58 On the parallelism between the deposits of auriferous drift of the Appalachian gold field and those of California. Am J Sc (2) 26:128 (1858)

64 Report on the Minerals of the Mechanics' Fair Exposition of California. M Sc Press, 10:264 (1864)

66 Annotated catalogue of the principal mineral species hitherto recognized in California and the adjoining states and territories; being a report to the California State Board of Agriculture (and Notes on the geographical distribution and geology of the precious metals and valuable minerals on the Pacific slope of the United States:27-31) 31 pp, Sacramento, 1866; also in Cal St Bd Agr, Tr

Blake, William Phipps—Cont.

St Agr Soc 1864-5:335-363 (1866); Cal Legislature, App to Journals, 16th sess, 3:335-363 (1866) *Notice*, Am J Sc (2) 42:125 (1866)

66a Note on the geographical distribution and geology of the precious metals and valuable minerals of the Pacific slope; Cal Senate and Assembly J, 3:314 (1866)

66b Account of an earthquake at San Francisco, Cal, October 8, 1865. Boston Soc N H, Pr 10:236-237 (1866)

66c Crystallized gold in California. Am J Sc (2) 41:120 (1866)

67 Annotated catalogue of the principal mineral species hitherto recognized in California and the adjoining States and Territories. *In* Mineral resources of the States and Territories west of the Mississippi by Browne and Taylor, 200-215 (1867)

67a Mineralogical notices. Am J Sc (2) 43:124-125 (1867) Cal Ac N Sc, Pr 3:297-298 (1867)

67b Sur l'action des anciens glaciers dans la Sierra Nevada de Californie et sur l'origine de la vallée de Yo-Semite. Ac Sc Paris, C R 65:179-181 (1867)

67c Analysis of Mt. Diablo, Cal, coal. Cal Ac N Sc, Pr 3:348 (1867)

67d On fossils in the auriferous rocks of California. Am J Sc (2) 43:270-271 (1867)

68 The Carboniferous age of a portion of the gold-bearing rocks of California. Am J Sc (2) 45:264-267 (1868)

68a Note on the discovery of fossils in the auriferous slate formation of the Mariposa estate, Cal, and the probable geological age. Cal Ac N Sc, Pr 3:170 (1868)

68b Note on the occurrence of gold with cinnabar in the secondary or Tertiary rocks (California). Boston Soc N H, Pr 11:30-31 (1868)

68c Note on the occurrence of fossil remains of the tapir in California. Am J Sc (2) 45:381 (1868)

68d Miscellaneous Notices.—1. New locality of fossils in the gold-bearing rocks of California, pp 289-290. 2. Tooth of the extinct elephant, Placer County, p 290. 3. Quarry of gold-bearing rock, pp 290-291. Cal Ac N Sc, Pr 3:289-291 (1868)

68e New mineral oil regions in the Tulare Valley, California. Cal Ac N Sc, Pr 3:193 (1868)

68f Ammonites in the auriferous slates of California. Cal Ac N Sc, Pr 3:235 (1868)

68g Note on the fossil remains of the horse and elephant, mingled, at Mare Island, San Francisco Bay. Cal Ac N Sc, Pr 3:166 (1868)

Blake, William Phipps—Cont.

68h Note on a large lump of gold found on the middle fork of the American River. Cal Ac N Sc, Pr 3:166 (1868)

68i Note upon the occurrence of sphene in the granite of the Sierra Nevada. Cal Ac N Sc, Pr 3:193 (1868)

68j Notice of fossil elephants' teeth from the northwest coast. Cal Ac N Sc, Pr 3:325 (1868)

68k *Ammonites* or *Ceratites* from Oregon Bar, middle fork of the American River. Cal Ac N Sc, Pr 3:167 (1868)

68l Fossil fish in the Great Basin, Nevada. Cal Ac Sc, Pr 3:306 (1868)

68m New locality of fossils in gold-bearing rocks of California. Cal Ac Sc, Pr 3:289-291 (1868) Am J Sc (2) 43:270-271 (1867)

69 California seen through a geologist's eyes (50-58) *In* Shuck, Oscar J., California Scrap-Book. A repository of useful information and select reading. 695 pp (1869)

69a Report upon the precious metals; being statistical notices of the principal gold and silver producing regions of the world... Paris Universal Exposition 1867, Reports of the United States Commissioners: 369 pp. Washington (1869); also an author's edition, N Y (1869)

69b. Upon the gradual desiccation of the surface of the western portion of North America. Am Nat, 2:444 (1869)

69c The plasticity of pebbles and rocks. Am As, Pr 18:199-205 (1870) (*abst*) Am Nat 3:445-446, (1869)

70 On a fossil tooth from Table Mountain. Am J Sc (2) 50:262-263 (1870)

72 (with **Hitchcock, C. H.**) (Description of) geological map of the United States compiled for the Ninth Census, 1872. G Mag 10:371-373 (1873)

73 (with **Hitchcock, C. H.**) Geological map of the United States. Accompanying the report of Rossiter W. Raymond, United States Commissioner of Mining Statistics (1873)

74 (with **Hitchcock, C. H.**) Geological map of the United States. *In* U S, Ninth Census, Statistical Atlas pl 13-14 (1874) (Also issued with other publications) Rv, Am J Sc (3) 6:64-66 (1873)

75 Sierra glacier in the neighborhood of Johnson's Pass, at the head of the south fork of the American River. Nature 13:180 (1875)

77 On itacolumite (Mariposa Co, Cal). Ac N Sc Phila, Pr 1876:325-326 (1877) (*abst*) G Rec 1877:196 (1880)

78 Note sur les gisements de cinabre de la Californie et du Nevada. Soc Minér France, B 1:81-84 (1878)

80 A winter trip to the mines of the West. Synopsis of a lecture before the

Blake, William Phipps—Cont.

Bullion Club of New York. 11 pp, published by members of the club (1880)

81 Contributions to the geology and mineralogy of California. Cal St M Bur: 15 pp, Sacramento (1881)

81a Ulexite in California. Am J Sc (3) 22:323 (1881)

82 Occurrence of tin (wood tin) in California, Idaho and Montana. Cal St Min Bur, State Mineralogist's Rp 2, 1880-1882, app:216-218 Sacramento (1882) M Sc Press 45:89 (1882)

82a Rare minerals recently found in California. Cal St M Bur, St Mineralogist's Rp (appendix) 2:207-223 (1882)

82b Origin of loess. M Sc Press 45: 169 (1882)

82c Wind-driven deposits. M Sc Press 45:177 (1882)

83 Nickel. U S G S, Min Res, Calendar Year 1882:399-420, California 403 (1883)

85 Antimony. U S G S, Min Res, Calendar Year 1883-84:641-653, California, 641-642 (1885)

85a The various forms in which gold occurs in nature. *In* H. C. Burchard, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1884:573-597, Gold crystals from California 579-584 (1885)

85b Tin ores and deposits. U S G S, Min Res Calendar Year 1883-84:592-640, California 614-615 (1885)

85c New localities of Erythrite. Am J Sc (3) 30:163 (1885) N Jb 1887, Band 2 (Referate): 282 (1887)

92 Relative abundance of gold in different geological formations. Am G 9:166-168 (1892) Eng M J 53:348-349 (1892) Fed Inst M Eng 8:623 (1895)

96 Gold in granite and plutonic rocks. Am I M Eng, Tr 26:290-298; (*abst*) M Sc Press 73, p 296 (1896) (*abst*) Eng Index 3:462 (1901)

98 Oscillations of level of the Pacific coast of the United States. Am G 21:164-165 (1898)

99 The Pliocene skull of California and flint implements of Table Mountain. J G 7:631-637 (1899)

00 Glacial erosion and the origin of the Yosemite Valley (Cal). Am I M Eng, Tr 29:823-835 (1900)

07 The flanking detrital slopes of the mountains of the Southwest. Science (n s) 25:975-978 (*abst*) (1907)

08 Destruction of the salt works in the Colorado Desert by the Salton Sea. Am I M Eng, B 19:81-82 (1908) Tr 38: 848-849 (1908)

14 The Cahuilla Basin and Desert of the Colorado. Carnegie Inst, Wash, Pub 193 (MacDougal, The Salton Sea):1-12 (1914)

Blake, William Phipps—Cont.

15 Sketch of the region at the head of the Gulf of California. *In* Cory, H T, The Imperial Valley and the Salton Sink, pp. 1-35, San Francisco, John J Newbegin (1915) G Zentralbl 27:302 (1922)

Blanchard, C. J.

05 Reclamation work in southern California. Sc Am 92:499 (1905)

05a The United States Reclamation Service. Am Geog Soc, B 37:1-14, il, California, 8-9 (1905)

06 National Reclamation of Arid Lands. Am Geog Soc, B 38:209-223, California 216-218, il (1906)

06a Winning the West. An account of the marvelous progress of our reclamation services in reclaiming the desert. Nat Geog Soc, Mag 17:82-100 (1906)

Blankinship, J. W.

92 On the natural history of the Farallon Islands; notes on the geology. Zoe 3:144-146 (1892)

Blasdale, Walter C.

01 Contributions to the mineralogy of California. Cal Univ, Dp G, B 2:327-348 (1901) (*abst*) G Zentralbl 3:33 (1903) N Jb 1903, 1 Band, Ref 7:402-405 (1903)

07 (and **Louderback, G. D.**) Benitoite, a new California gem mineral. Cal Univ, Dp G, B 5:149-153 (1907)

08 (with **Louderback, G. D.**) Benitoite, its mineralogy, paragenesis, and geological occurrence. (*abst*) Science (n s) 27: 111 (1908)

09 (with **Louderback, G. D.**) Benitoite, its paragenesis and mode of occurrence. Cal Univ, Dp G, B 5:331-380 (1909)

10 (with **Louderback, G. D.**) Ruby corundum from San Bernardino Co, Cal. (*abst*). Science (n s) 32:31 (1910) G Soc Am, B 21:793 (1910)

Boalich, E. S.

12 Mineral production for 1911. Cal St M Bur B 64:49 pp (1912)... 1912 65:64 pp (1913)

12a Mineral production for 1911 (quicksilver). Cal St M Bur, B 64:30-31 (1912) 1912 65:19-20 (1913)

14 Mineral production (of California) for 1913. Cal St M Bur, B 68:138 pp, maps (1914)

17 Manganese and chromium. Cal St M Bur, Prel Rp 3:32 pp (1917) 2d ed, 46 pp (1918) G Zentralbl 29:425 (1923) (*abst*) Eng Index 1918:329 (1919)

18 Catalogue of the publications of the State Mining Bureau, 1880-1917. Cal St M Bur, B 77:44 pp (1918)

18a (and **Castello, W. O.**) Antimony, graphite, nickel, potash, strontium, tin.

Boalich, E. S.—Cont.

Cal St M Bur, Prel Rp no 5:44 pp (1918) G Zentralbl 29:425 (1923)

18b (and **Castello**, W. O.) Tungsten molybdenum, and vanadium. Cal St M Bur, Prel Rp no 4:34 pp (1918) G Zentralbl 29:425 (1923)

20 (and others) The clay industry in California. Cal St M Bur, Prel Rp 7:108 pp, 24 figs (1920)

21 San Francisco Field Division: Colusa, Fresno, Glenn, Kings, Lake, Madera, Marin, Mendocino, Merced, Mono, Monterey, Napa, Sacramento, San Benito, San Joaquin, Solano, Sonoma, Stanislaus, Sutter, Tulare, Yolo counties. Cal St M Bur, St Mineralogist's Rp 17:43-47, 68-73, 74-75, 76-77, 78-82, 83-84, 85, 144-148, 149-150, 151-155, 156,-157, 158-161, 162, 166, 242-247, 248-252, 253-255, 256, 257-260, 260 (1921)

22 Notes on iron occurrences in California. Cal St M Bur, Mining in California 18, no 3:110-113 (March, 1922)

22a Bibliography of coal in California. Cal St M Bur, Mining in California, 18, no 4:152-157 (April, 1922) G Zentralbl 29:511 (1923)

22b San Francisco Field Division: San Benito, Mariposa, Mono and Napa counties. Cal St M Bur, St Mineralogist's Rp 18:211-220, 363-366, 413-419 (1922)

Board of Supervisors and Miners' Association of Tuolumne County.

99 Mining in Tuolumne County. In California mines and minerals (pub by California Miners' Association): 345-359, San Francisco, Cal (1899)

Boardman, Leona.

27 (and **Mansfield**, George Rogers) Potash. U S G S, Min Res, Calendar Year 1923: 167-204, California 169, 175, 186, 188 (1927)... U S B M, Min Res, 1924: 27-61, California 29, 36-37 (1927)

Bodewig, C.

85 (and **Rath**, G. vom.) Colemanit aus Californien. Zs Kryst 10:179-186 (1885)

Boerker, Richard H.

15 The Mount Lassen eruption. Am Forestry, 21, no 1:51-55, 4 figs (January, 1915)

Boezinger, H.

24 The minor oil fields of Kern County; Belridge and North Belridge oil fields. California State Min Bur, Summary of Operations California Oil Feilds, 10, no 1, pp 11-18, 1 pl (map), July, (1924) (*abst*) Eng Index 1924:491 (1925)

Bogard, V. E.

17 (and **Dennis**, C. G.) Quicksilver. Min Ind 25:638-640, California, 638, 639, 640 (1917)

Bogdanovich, Karl Ivanovich.

09 Earthquakes of Messina and San Francisco (in Russian). 160 pp, St. Petersburg (1909)

Bohn, J. Lloyd.

29 (and **Engel**, Rene) Geological problems of radioactivity of rocks and waters. (Summary statement) Pan Am G 51:372 (1929) (*abst*) G Soc Am, B 41:154 (1930)

30 Radioactive properties of rocks, soil, crude oil and waters from southern California. Franklin Inst, J 210:461-472 (1930)

Bolton, Henry Carrington (1843-1903).

90 Researches on musical sand in the Hawaiian Islands and in California. N Y Ac Sc, Tr 10:28-35 (1890)

91 Notes on the occurrence of musical sand on the Pacific coast of the United States. (*abst*) Am As, Pr 39:255-257 (1891)

Bond, Lewis A.

20 The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from October 1, 1919, to March 31, 1920. Cal Univ, Seism Sta, B 1, no 19:387-404, September 29 (1920)

21 The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from April 1, 1920, to September 30, 1920. Cal Univ, Seism Sta, B 2, no 20:405-422, April 29 (1921)

21a The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from October 1, 1920, to March 31, 1921. Cal Univ, Seism Sta, B 2, no 1:1-15, November 18 (1921))

Bonn, Noggerath von.

50 Das Californische gold. Kolner Zeitung (1850)

Bordeaux, A.

00 Ralston Divide, Placer Co. M Sc Press 81:609-610 (1900) (*abst*) Eng Index 4:595 (1906)

Bordeaux, Albert F. J.

01 Les Mines d'or de la Californie. Rv Univ Mines (3) 53:30-82, 245-307 (1901)

02 Les anciens chenaux auriféres de Californie. An Mines (10) 2:217-258 (1902) (*abst*) G Zentralbl 4:70 (1903)

03 Siberie et Californie. Plon Nourrit & Co., Paris:345 pp il (1903) (*abst*) Petermann's Mitt 1903 (Beilage zum 49): 159 (1903)

Böse, E.

11 Sobre el origen de los ultimos grandes temblores de California y de la costa de Guerrero, Mexico. Soc cient "Antonio Alzate," Mem y Rev, t 30, nos 3-6:135-162, 2 pls, 3 figs (1911). *Abstract* in German, pp 163-170

Boutwell, J. M.

07 Lead. U S G S, Min Res, Calendar Year 1906:439-457, California, 442, 444 (1907)

07a Quicksilver. U S G S, Min Res Calendar Year 1906:491-499, California 491-493 (1907)

07b Zinc. U S G S, Min Res, Calendar Year 1906:459-489, California 463, 478 (1907)

11 The Calaveras skull (shown to be of recent origin). U S G S, P P 73:54-55 (1911)

Bovard, John F.

07 Notes on Quaternary Felidae from California. Cal Univ, Dp G, B 5:155-170, il (1907)

Bowen, N. L.

23 (and **Aurosseau, M.**) Fusion of sedimentary rocks in drill holes (with discussion by Sidney Powers). G Soc Am, B 34:431-448, 3 figs (1923)

Bowers, George B.

29 American source of grinding pebbles. Rock Products 32 (21): 68, October 12, 1929 (*ann*) An Bib Ec G 2, 312 (1929)

Bowers, Stephen.

78 Geology of Santa Rosa Island. Smiths Inst, An Rp for 1877:316-320 (1878)

88 Ventura County. Cal S M Bur, St Mineralogist's An Rp 8:679-690 (1888)

90 Orange, Ventura counties. Cal St M Bur, St Mineralogist's An Rp 10:399-409, 758-772 (1890)

90a San Nicolas Island. Cal St M Bur, St Mineralogist's An Rp 9:57-61 (1890)

01 Reconnaissance of the Colorado Desert mining district. Cal St M Bur: 12 pp (1901)

Bowes, Glenn H.

27 (**Copp, W. W.**) Seal Beach oil field. Cal St M Bur, Summary of Operations, California Oil Fields. An Rp 13, no 3:5-16, 8 pls (Sept, 1927)

Bowie, A. J.

79 Hydraulic mining in California. Am I M Eng, Tr 6:27-100 (1879) (*abst*) M Sc Press 52:112 (1886)

96 Gold mining in California. M Sc Press 73:257-258, 276, 296 (1896)

Bowie, William.

24 Earth movements in California, as disclosed by triangulation. (*abst*, with discussion by Arthur Keith, L. C. Graton and A. C. Lawson). G Soc Am, B 35:60-62 (1924) (*abst*) Pan Am G 41:134-135 (1924)

24a Earth movements in California. U S Coast and Geodetic Survey, Special Pub no 106, 22 pp, 6 figs (1924) (*abst*) N Jb 1926, Ref Abt B, Band 1:17-18 (1926)

24b Comparison of old and new triangulation in California. U S Coast and Geodetic Survey, Special Pub. No 151, 53 pp, 8 figs (1928) (Supersedes Special Pub No 106 above)

26 (and others) Discussion following Symposium on the constitution of the earth and the inferences to be drawn from it. Nat Research Council, B 11:33-39 (1926)

29 Leveling up Mt. Whitney. Sierra Club B 14:53-57 (February, 1929)

Bowles, Oliver.

20 Asbestos. Min Ind 28:37-43, California 38 (1920)...29:42-49, California 46 (1921)...30:46-54, California 49 (1922)...31: 53-62, California 56,57 (1923)...32:61-69, California 64-65 (1924)...34:74-85, California 77 (1926)...36:40-48, California 43 (1928)

29 (and **Stoddard, B. H.**) Asbestos. U S B M, Min Res, Calendar Year 1927: 299-311, California 300-301 (1929)

29a (and **Middleton, Jefferson**) Feldspar. U S B M, Min Res, Calendar Year 1928:67-80, California 73, 76 (1929)

29b (and **Coons, A. T.**) Slate. U S B M, Min Res, Calendar Year 1928:41-53, California 52 (1929)

29c (and **Stoddard, B. H.**) Asbestos. U S B M, Min Res, Calendar Year 1928: 97-111, California 101, 103 (1929)

30 (and **Stoddard, B. H.**) Talc and soapstone. U S B M, Min Res, Calendar Year 1928:197-204, California 200 (1930)

30a Abrasive materials. U S B M, Min Res, Calendar Year 1928: 237-252, California 238, 246-248 (1930)

30b. Granite. U S Bur Mines, Infor Circ 6268, California 3 (1930)

Bowman, Amos (1839-1894).

73 On coast, surface, and scenic geology (California). Cal Ac Sc, Pr 4:244-245 (1873)

73a Pliocene rivers of California. *In* R. W. Raymond Fifth Report on Mineral Resources of the States and Territories west of the Mississippi. 1872: Chapter 16 (1873)

74 Report on the properties and domain of the California Water Company, situated on Georgetown Divide... El Dorado

Bowman, Amos—Cont.

Co, Cal. 225 pp, maps, San Francisco (1874)

75 Geology of the Sierra Nevada in its relation to vein mining. *In* Raymond, R. W. Statistics of mines and mining... 7th An Rp:441-470, map (1875)

87 Mining developments on the northwestern Pacific coast, and their wider bearing. Am I M Eng, Tr 15:707-717 (1887)

Boyce, Edward.

14 Impressions of Mt. Lassen (Cal). Mazama 4:60-62 (1914) G Zentralbl 27:252 (1922)

Boyd, Julian.

29 The saline deposits of Death Valley, California. Chem Eng Min Rev, Melbourne, 21, no 248:287-290 (May 6, 1929) (*ann*) An Bib Ec G 2:92 (1929) M Jour, Phoenix, Arizona, 13, no 11:7-9, 14-16, 2 figs (October 30, 1929)

Boyle, Albert C. Jr.

14 The geology and ore deposits of the Bully Hill mining district, Cal. Am I M Eng, B 85:57-105, map (1914) (*abst*) Eng Index 1914:407 (1915) Tr 48:67-117 (1915)

Boyle, Cornelius Breckenridge.

93 A catalogue and bibliography of North American Mesozoic Invertebrata. U S G S, B 102:315 pp (1893)

Boyle, O. M., Jr.

07 The Greenwater mining district California. Cal J Tech, 10, no 1:29-32, 2 figs (1907)

Brace, Charles L.

69 The New West; or California in 1867-68. New York. G. P. Putnam & Son:xii, 373 pp (1869)

Bradley, P. R.

13 Pyrites deposit in Plumas Co, Cal. M Met Soc Am, B 6, no 65:276-277 (1913)

Bradley, Walter Minor.

09 On the analysis of the mineral neptunite from San Benito Co, Cal. Am J Sc (4) 28:15-16 (1909), Z Kryst 46:516-517 (1909)

Bradley, Walter W.

16 Fresno and Kings counties. Cal St M Bur, St Mineralogist's Rp 14:429-470, 525-530 (1916) issued as separate July (1915) under title Mines and Mineral Resources of the counties of Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus. G Zentralbl 27:393 (1922)

16a Colusa, Glenn, Lake, Marin, Napa, Solano, Sonoma, Yolo counties. Cal St M Bur, St Mineralogist's Rp 14:175-370 (1916) issued as separate July (1915) under title Mines and Mineral Resources of the counties of Colusa, Glenn, Lake, Marin, Napa, Solano, Sonoma, Yolo. G. Zentralbl 27:393 (1922) 29:425 (1923)

16b (and **McLaughlin, R. P.**) Madera County. Cal St M Bur, St Mineralogist's Rp 14:531-568 (1916) issued as separate under title, Mines and Mineral Resources of the counties of Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus (July, 1915)

16c California mineral production for 1915. Cal St M Bur, B 71:193 pp (1916)

17 California mineral production for 1916, with county maps. Cal St M Bur, B 74:179 pp, maps (1917) G Zentralbl 29:424 (1922) (*abst*) Eng Index 1918:326 (1919)

18 (and others) Manganese and chromium in California. Cal St M Bur, B 76:248 pp, 51 figs, 5 pls, maps (1918) G Zentralbl 29:425 (1923) M Sc Press 118:369 (1919) (*abst*) Eng Index 1919:293 (1920)

18a Quicksilver resources of California, with a section on metallurgy and ore dressing. Cal St M Bur, B 78:389 pp, maps (1918)

18b California mineral production for 1917, with county maps. Cal St M Bur, B 83:179 pp, maps (1918) G Zentralbl 29:424 (1923) 31:194 (1924)

19 (and **Waring, C. A.**) Monterey County. Cal St M Bur St Mineralogist's Rp 15:595-615 (1919) issued as separate under title Mines and Mineral Resources of the counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura. (1916) (*abst*) Eng Index 1918:325 (1919)

19a (and **Logan, C. A.**) San Benito County. Cal St M Bur St Mineralogist's Rp 15:616-673 (1919) issued as separate under title Mines and Mineral Resources of the counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura. G Zentralbl 27:393 (1922)

19b California mineral production for 1918, with county maps. Cal St M Bur B 86:212 pp, il (1919) G Zentralbl 29:425 (1923) 31:194 (1924)

20 California mineral production for 1919, with county maps. Cal St M Bur, B 88:204 pp, il (1920) G Zentralbl 29:425 (1923) (*abst*) Eng Index 1921:355 (1922)

21 California mineral production for 1920, with county maps. Cal St M Bur, B 90:218 pp, il (1921) G Zentralbl 29:425 (1923)

Bradley, Walter W.—Cont.

22 Mineral production of California, by counties, for 1921. Cal St M Bur, St Mineralogist's Rp 18:560-586 (1922)

22a Mineral statistics of California, by counties, from earliest available records to and including the year 1921. Cal St M Bur, St Mineralogist's Rp 18:633-719 (1922)

22b Division of Minerals and Statistics. Cal St M Bur, St Mineralogist's Rp. 18: 31-33, 83-85, 128-130, 179-196, 239-245, 281-287, 327-345, 382-397, 429-485, 560-586, 633-719, 757-761 (1922)

22c Radioactivity in thermal gases at the geysers, Sonoma County, California: Cal St M Bur, St Mineralogist's Rp 18: 545-550 (1922) G Zentralbl 29:525 (1923)

22d Quicksilver mining in California. Cal St M Bur, Rp 18:393-397 (1922)

23 California mineral production for 1922. Cal St M Bur, B 93:188 pp, 12 figs (1923)

23a Division of Minerals and Statistics. Cal St M Bur, St Mineralogist's Rp 19: 43-44, 79, 111-126, 229-232 (1923)

24 California mineral production for 1923. Cal St M Bur, B 94:162 pp, 6 figs (1924)

24a Division of Minerals and Statistics. Cal St M Bur, St Mineralogist's Rp 20: 59-60, 156-166, 324-343, 449-452 (1924)

25 California mineral production for 1924. Cal St M Bur, B 96:174 pp, 1 fig (1925)

25a Magnesite in California. Cal St M Bur, B 79:147 pp, 62 ils, 11 pls (1925) Min Absts 3:77 (1926)

25b Division of Minerals and Statistics. Cal St M Bur, St Mineralogist's Rp 21: 123-124, 259-265, 398-402, 574-587 (1925)

26 California mineral production for 1925. Cal St M Bur, B 97:172 pp, il (1926)

26a Division of Minerals and Statistics. Cal St M Bur, St Mineralogist's Rp 22: 109-110, 299-305, 378-387, 559-562 (1926)

26b The Minarets District, Madera County. Cal St M Bur, Mining in California, St. Mineralogist's Rp 22, no 4:539-557 (1926)

27 Division of Minerals and Statistics. Cal St M Bur, St Mineralogist's Rp 23:118-119, 224-225, 358-362, 415-417 (1927)

27a California mineral production for 1926. Cal St M Bur, B 100:174 pp (1927)

27b Mineral Resources of California Available to Home Industry. Purchasing Agents Bull, v IX, no 6:12-15 (title of article changed to "California Mineral Resources Related to Industry" in following issues of series): no 7:24-25, 29; no 8:24-25; no 9:12, 14, 16; no 10:10-11, 25-26; no 11:24, 26, 36; no 12:10-11, 22-23; v X, no 1 (name of magazine changed to "Pacific Purchaser"): 16-19; no 2:14-17; no 3:5, 12, 19-21; (June, 1927-May, 1928, inc)

Bradley, Walter W.—Cont.

28 California's commercial nonmetallic minerals. M Cong J 14:669-678, 718, 6 figs (1928) (*abst*) M Metal 9:404 (1928)

28a Division of Minerals and Statistics. California's mineral production in 1927. Cal Dp Nat Res Div Mines and Mining, Mining in California, St Mineralogist's Rp 24:61-62 (1928)

29 Developing the nonmetallic industries of the West. M Cong J 15:950-953 (1929)

29a Barite in California. Am I M Eng Tech Pub 266 (Class II, Nonmetallic Minerals no 13) 9 pp (1929) (*abst*) M Metal 11:(18) (1930) Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 26:45-47 (1930)

29b Twenty-fifth report of the State Mineralogist. Mining in California and the activities of the State Mining Bureau (1929)

30 (and **Jenkins,** Olaf P.) A geological survey of California. M Metal 11:520-521, (1930)

Brammall, A.

26 Gold and silver in the Dartman granite. Miner Mag 21:14-20, California (1926)

Branner, John Casper (1850-1922).

03 A topographic feature of the hanging valleys of the Yosemite. J G 11:547-553 (1903) (*abst*) G Zentralbl 7:146 (1905) (*abst*) Petermann's Mitt 1905 (Beil zum 51): 72 (1905)

05 Introduction to the "Miocene foraminifera of California." By Rufus M. Bagg Jr, U S G S, B 268 (1905)

05a Natural mounds or "Hog Wallows." Science (n s) 21:514-516 (1905)

05b Geology of the Monterey shale from Graves Creek, California. *In* R. M. Bagg, Miocene Foraminifera from the Monterey shale of California, with a few species from the Tejon formation. U S G S, B 268:9-11 (1905) (Review) Nature 75:183 (1906)

06 The San Francisco earthquake from the geologist's point of view. The Pacific Monthly, June (1906)

06a Geology and the earthquake. Out West 24:513-518 (1906) Reprinted in Jordan. D. S., editor, The California earthquake of 1906:63-78, San Francisco (1907)

06b The relations of the drainage of the Santa Clara Valley, California, to that of Pajaro River. Abstract of a paper read before the Geological Section of the American Association for the Advance-

Branner, John Casper—Cont.

ment of Science, at the Ithaca meeting Science 24:369-370 (1906)

06c The California earthquake: movements along the Santa Cruz fault line. Palo Altan May 1, 1906 (not seen) Eng News 55:542 (1906) M Min 26:536 (1906)

06d Isoseismals: Distribution of apparent intensity. Report of the State Earthquake Investigation Commission on the California earthquake of April 18, 1906. 1:255 (1906)

06e (Fault lines in the Santa Cruz Mountains, Cal.) M Sc Press 92:347 (1906)

07 A drainage peculiarity of the Santa Clara Valley (Cal) affecting fresh-water faunas. J G 15:1-10 (1907) (*abst*) Science (n s) 24:369-370 (1906); Am As, Pr 56-57: 270 (1907)

08 (with **Lawson**, A. C., **Gilbert**, G. K., **Reid**, H. F., and others) The California earthquake of April 18, 1906. Report of the State Earthquake Investigation Commission, Carnegie Inst, Wash, Pub 87, 1, pt 1:xviii, 254 pp, pt 2:255-451; atlas, 25 maps and seismograms (1908)

09 (and **Newsom**, J. F., and **Arnold**, Ralph) Description of the Santa Cruz quadrangle, Cal. U S G S, G Atlas, Santa Cruz fol (no 163):11 pp, maps (1909)

11 Impressions regarding the relations of surface geology to intensity in the Mendoza, Valparaiso, Kingston, and San Francisco earthquakes. Seism Soc Am, B 1:38-43 (1911)

12 The boundaries and area of the Niles Cone from a study of the geology of Niles Cone and the surrounding country. *In* The future water supply of San Francisco; a report by the Spring Valley Water Company, San Francisco, California:257-259, map (1912)

12a Report on the geology of Livermore Valley. The future water supply of San Francisco. The Spring Valley Water Company: 203-222 (Oct, 1912) G Zentralbl 27:252 (1922)

12b Erroneous geological conclusions on the formation of Livermore Valley. The future water supply of San Francisco. By the Spring Valley Water Company: 232-232a (1912)

12c Report on the geology of the proposed Hetch Hetchy Aqueduct line for the water supply of San Francisco, made to John R. Freeman, July 11, 13, 20. J. R. Freeman's Report: 110-111, 124-126 (1912)

12d Report on the underground water conditions of the Livermore Valley and Sunol Valley (Cal) *In* The future water supply of San Francisco: a report... by the Spring Valley Water Comapny, San Francisco, Cal. pp 209-222, map (1912)

Branner, John Casper—Cont.

13 Influence of wind on the accumulation of oil-bearing rocks. (*abst*) G Soc Am, B 24:94-95 (1913)

15 Earthquakes. *In* Nature and science on the Pacific coast: 62-64, San Francisco (1915)

17 The Tejon Pass earthquake of October 22, 1916. Seism Soc Am, B 7: 51-59 (1917)

Branson, C. C.

29 Review of Southern California geology and Los Angeles earthquakes by R. T. Hill. J G 37:724 (1929)

Bredemeyer, W.

84 San Francisco and Pine Grove mining districts. M Sc Press 48:18 (1884)

Breger, Carpel L.

11 The various theories of origin of petroleums. M World 35:1219-1221, 1321-1324 (1911) (*abst*) Eng Index 1912:434 (1913)

Breithaupt, A.

53 Gediegen Gold aus Australien und Californien. Berg und hütten, Zeitung 12:613 (1853)

Brewer, F. M.

29 (and **Holt**, Donald A., and **Papish**, Jacob) Gallium in lepidolite. Min Absts 4:88 (1929)

Brewer, William Henry (1829-1910).

65 Volcanic eruptions in northern California and Oregon. Am J Sc (2) 40:364 (1865)

66 Whitney's Geology of California. Am J Sc (2) 41:231-246, 351-368 (1866)

66a On the age of the gold-bearing rocks of the Pacific coast. Am J Sc (2) 42:114-118 (1866)

66b Alleged discovery of an ancient human skull in California. Am J Sc (2) 42:424 (1866)

66c Occurrence of fossils in the auriferous slates of California. Cal Ac N Sc, Pr 3:198 (1868)

68 On the age of the gold-bearing rocks of California. Am J Sc (2) 45:397-399 (1868)

89 The Great Basin. Am Geog Soc. B 21:197-227 (1889)

Bridge, A. F.

28 Variables of natural gas production and utilization in California. Cal St M Bur, Summ of Operations California Oil Fields 13 (10): 5-14, April, 1928. (*ann*) An Bib Ec G 1:194 (1928)

Britton, H.

29 Bibliography of petroleum and allied substances in 1922 and 1923. U S Bur Mines, B 290, 667 pp (1929)

Broadhead, G. C.

80 Bitumen, asphaltum, petroleum and other hydrocarbonaceous substances, excepting coal. *In* U. S Cent Com, Inst Exhibition 1876, Rp and Awards 3:2-18. On page 9 mentions valuable petroleum wells reported from California (1880)

Brooks, E. F.

17 Platinum in California. M Sc Press 114:116 (1917)

Bross, William.

81 Canyons, their character and origin. Science (edited by John Michaels), 2:468-470 (1881)

Brown, Claude C.

29 Production and utilization of natural gas in California. Oil Weekly 53 (12): 25-27, 104, June 7 (13): 31-35, June 14, 1929. (*ann*) An Bib Ec G 2: 387 (1929)

Brown, C. J.

77 Extinct rivers of the auriferous belt of California. *In* R. W. Raymond Eighth Report on Mineral Resources of the States and Territories west of the Mississippi, 1875:65-68 (1877)

Brown, Frederick W.

20 Potash. Min Ind 28:568-583, California 572, 577 (1920)... 29:565-575. California 567-569 (1921)... 31:581-585, California 581 (1923)

Brown, G. Chester.

16 Kern County. Cal St M Bur, St Mineralogist's Rp 14:471-523 (1916) issued as separate July (1915) under title Mines and Mineral Resources of the counties of Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus. G Zentralbl 27:393 (1922)

16a Shasta, Siskiyou, Trinity counties. Cal St M Bur, St Mineralogist's Rp 14: 745-925 (1916) issued as separate under title Mines and Mineral Resources of the counties of Shasta, Siskiyou, Trinity (1915) G Zentralbl 27:393 (1922)

Brown, J. A.

90 Amador, Calaveras counties. Cal St M Bur, St Mineralogist's An Rp 10:98-123, 147-152 (1890)

Brown, John S.

20 Routes to desert watering places in the Salton Sea region, California. U S G S, W-S P 490:1-86, pls i-vii (1920)

Brown, John S.—Cont.

22 Fault features of Salton Basin, California. J G 30:217-226, 1 fig, 1 pl, map (1922) (*abst*) Wash Ac Sc, J 11:423 (1921)

23 The Salton Sea region, California, a geographic, geologic, and hydrologic reconnaissance, with a guide to desert watering places. U S G S, W-S P 497: xv, 292 pp, 19 pls (1923) G Zentralbl 31:272 (1924)

Brown, Joseph Stanley.

91 Bernardinite. Is it a mineral or fungus? Am J Sc (3) 42:46 (1891)

Brown, Robert.

70 On the geographical distribution and physical characteristics of the coal fields of the north Pacific coast. Edinb G Soc, Tr 1:305-325 (1870)

70a On the supposed absence of the northern drift from the Pacific slope of the Rocky Mountains. Am J Sc (2) 50: 318-324 (1870)

Brown, R. Gilman.

07 The vein-system of the Standard mine, Bodie, Cal. Am I M Eng, Bi-Mo. B 16:587-601, 5 figs (1907) Tr 38:343-357 5 figs (1908) (*abst*) G Zentralbl 12:12-13 (1909)

Brown, R. I.

30 Operations in Kettleman Hills. Oil Gas J 28:39, 139-140 (April 3, 1930) Oil Field Eng 7, no 5:18-19, 3 figs (May, 1930) Oil Weekly 57, no 6:31-33 3 figs (April 25, 1930) (*abst*) Eng Index 1930: 1222 (1931)

Browne, D. Y.

98 The Mother Lode of California. M Sc Press 77:157 (1898) (*abst*) Eng Index 3:462 (1901)

Browne, E. F.

06 Explorations in Death Valley. M World 24:58-60 (1906)

Browne, John Ross.

61 The Coast Ranges; a chronicle of events in California. Harper's Mag 23: 1-14, 306-316, 593-606 (1861) 24: 1-16 (1861) 24:289-301 (1862)

65 Down in the cinnabar mines. A visit to New Almaden in 1865. Harper's Mag 31:545-560, il (1865)

65a A trip to Bodie Bluff and the Dead Sea of the West. Harper's Mag 31:274-284, il (1865)

67 (and Taylor, James W.) Historical sketch of gold and silver mining on the Pacific Slopes. *In* their mineral resources of the States and Territories west of

Browne, John Ross—Cont.

the Mississippi. U S Treas Dp:13-36 (1867)

67a (and **Taylor**, James W.) Quicksilver mines in California; New Almaden mines, products and exports. (This article contains a description of the New Almaden mines, with extracts of a report by Prof B. Silliman Jr, from the Am J Sc for Sept, 1964) *In* J. Ross Browne and James W. Taylor, Report on Mineral Resources of the States and Territories west of the Mississippi. Section 6:170-178, (1867)

67b (and **Taylor**, James W.) Reports upon the mineral resources of the United States. (U S, Treas Dp): 360 pp, Washington (1867)

67c (and **Taylor**, James W.) The copper resources of the Pacific Slope. *In* J. Ross Browne and James W. Taylor Report on Mineral Resources of the States and Territories west of the Mississippi. Section 5:138-169, Washington (1867)

67d Quicksilver mines of California. Mineral Resources of the States and Territories west of the Rocky Mountains (for 1866): 170-178 (1867)

68 Quicksilver. Mineral Resources of the States and Territories west of the Rocky Mountains for (1867): 263-264, 636 (1868)

68a General conditions of the mining interests. *In* J. Ross Browne, Report on Mineral Resources of the States and Territories west of the Mississippi, for 1868: 12-298 (1868)

68b The Mother Lode of California. *In* J. Ross Browne, Report on Mineral Resources of the States and Territories west of the Mississippi, 1868: 14-19 (1868)

68c Miscellaneous minerals of Pacific coast. *In* J. Ross Browne, Report on Mineral Resources of the States and Territories west of the Mississippi, 1868: 207-266 (1868)

68d Report on the mineral resources of the States and Territories west of the Rocky Mountains. (U S, Treas Dp): 674 pp, California 12-298, Washington (1868) (*abst*) Am J M 5:360, 371-372, 376-377 (1868)

69 Resources of the Pacific slope... 678, 200 pp, N Y (1869)

Browne, Ross E.

90 The ancient river beds of the Forest Hill Divide (Placer Co). Cal St M Bur, An Rep 10:435-465 map (1890), (*abst*) M Sc Press 66:19, 33, 49, 621 (1893)

95 California placer gold. Eng M J 59: 101-102 (1895) (*abst*) Zs Prak G 3:292-293 (1895)

Browne, Ross E.—Cont.

98 The Mother Lode of California. M Sc Press, 76:105-106 (1898); also in California Mines and Minerals (pub by California Miners' Association): 57-72, San Francisco, Cal (1899)

Brouwer, H. A.

22 Some similarities between the geology of California and parts of the Dutch East Indies. Science (n s) 56:388-389 (1922)

Brush, G. J.

63 Annual report of the State geologist of California for the year 1862. (Rv) Am J Sc (2) 36:118-122 (1863)

66 Ouvarovite. Am J Sc (2) 42:268 (1866)

Bryan, Bruce.

30 Geophysics newest scientific aid in the search for petroleum. Oil Bull 16:132-134 (Feb 1930)

Bryan, Kirk.

16 Ground water for irrigation in the Sacramento Valley, California. U S G S, W-S P 375:1-49, 6 figs, 2 pls (1916) G Zentralbl 27:108 (1921)

23 Geology and ground-water resources of Sacramento Valley, California. U S G S, W-S P 495:285 pp, 10 figs, 19 pls (incl 4 maps), (1923) (*abst*) Rv Geol et Sci conn 4:831-832 (1923)

29 Report on proposed sites for a salt water barrier in the lower reaches of Sacramento and San Joaquin rivers, California. In Young, W. R. Rp on Salt Water Barrier, etc., California Dp. Pub. Works, Division Water Resources 22, 1:248-251 (1929)

Bryant, Edwin.

49 Reports of bitumen near Santa Barbara and Los Angeles. *In* What I saw in California, pp 385, 411, 451. D. Appleton & Company (1849)

49a What I saw in California. Journal of a tour by the emigrant route and south pass of the Rocky Mountains, across the continent of North America, the Great Desert Basin, and through California with an appendix containing an account of the gold mines, in the years 1846, 1847:480 pp, 1 map (1849)

Bryant, Harold C.

11 (with **Merriam**, J. C.) Notes on the dentition of *Omphalosaurus*. Cal Univ, Dp G, B 6:329-332 (1911)

14 Teeth of a cestraciont shark from the upper Triassic of northern California. Cal Univ, Dp G, B 8:27-30, il (1914) (*abst*) G Zentralbl 21:623 (1915)

14a Vertebrate fauna of the Triassic limestones at Cow Creek, Shasta Co, Cal. (*abst*) G Soc Am, B 25:155 (1914)

Buckland, William (1784-1856).

39 Geology. *In* The zoology of Captain Beechey's voyage...:157-180, maps L (1839). Extract, Geology of the Bay of San Francisco, *in* Cal St M Bur, B 30:145-147 (1904)

Buckman, H. O.

11 The chemical and physical processes involved in the formation of residual clay. Am Ceramic Soc, Tr 13:336-384 (1911)

Buddenhagen, H. J.

30 (**Hudson,** F. S., **Hill,** Mason L., and **Woodford,** A. O.) Typical locality of a fault. Am As Petroleum G, B 14:797-798 (1930)

Buell, Ira M.

11 Notes on fossil Californian *Pleurotomidae.* Nautilus 24:142-144 (1911)

Buffam, E. Gould.

50 Six months in the gold mines and a three years' residence in Upper and Lower California. London (1850)

Bullman, Charles.

93 Platinum (The Platinum group of metals) Min Ind 1:373-397, California 375 (1893)

93a Iridosmine. (The platinum group of metals) Min Ind 1:373-397, California 394 (1893)...

Burbank, John Emerson.

06 (with **Bauer,** L. A.) The San Francisco earthquake of April 18, 1906. Nat Geog Mag 17:298-300 (1906)

Burcham, W. D.

20 Quicksilver. Min Ind 28:614-621, California 614-615 (1920)... 29:607-614, California 607, 609-610 (1921)... 30:607-611, California 607, 609 (1922)

Burchard, Ernest F.

07 Bauxite. U S G S, Min Res, Calendar Year 1906:501-505, California 502 (1907)

07a Glass sand, other sand and gravel. U S G S, Min Res, Calendar Year 1906: 993-1005, California 999 (1907)... 1909:519-542, California 522, 527 (1911)... 1910: 601-608, California 604 (1911)... 1911:585-638, California 590, 591, 629 (1912)

07b Gypsum. U S G S, Min Res, Calendar Year 1906:1069-1078, California 1072-1074 (1907)... 1907:643-650, California 644-645 (1908)... 1908:621-628, California 621-623, 625 (1909)... 1909:639-647, California 640 (1911)... 1910:717-733, California 718, 726 (1911)... 1911:639-644, California 641 (1912)

11 Chromic iron ore. U S G S, Min Res, Calendar Year 1909:591-593, California 591-592 (1911)... 1910:769-771 California 769-770 (1911)

Burchard, Ernest F.—Cont.

11a Fuller's earth. U S G S, Min Res, Calendar Year 1910:841-846, California 841, 843 (1911)

11b Manganese ore. U S G S, Min Res, Calendar Year 1909:107-119, California 108, 110-111 (1911)... 1910:103-115, California 103-105 (1911)... 1911:191-208, California 192-194 (1912)

11c Building stone. U S G S, Min Res, Calendar Year 1909:569-608, California 573-574, 577 (1911)... 1910:643-682, California 647-648, 651 (1911)... 1911:741-834, California 746-747, 750 (1912)... 1912:709-818, California 715, 718 (1913)... 1913:1285-1410, California 1289-1290, 1293-1294 (1914)

11d Granite. U S G S, Min Res, Calendar Year 1909:569-608, California 579-580, 582-583 (1911)... 1910:643-682, California 653-654, 656-657 (1911)... 1911:741-834, California 753, 756-758 (1912)... 1912: 709-818, California 721, 724-726 (1913)... 1913:1285-1410, California 1297-1298, 1300-1302 (1914)

11e Limestone. U S G S, Min Res, Calendar Year 1909:569-608, California 594, 597-598, 602 (1911)... 1910:643-682, California 667, 670-671, 676 (1911)... 1911:641-834, California 769, 772-773, 778 (1912)... 1912:709-818, California 740, 743-744, 749 (1913)... 1913:1285-1410, California 1319, 1322-1323, 1327 (1914)

11f Marble. U S G S, Min Res, Calendar Year 1909:569-608, California 603-604 (1911)... 1910:643-682 California 677-678 (1911)... 1911:641-834 California 779-780, 782 (1912)... 1912: 709-818, California 750, 753 (1913)... 1913:1285-1410, California (1914)

11g Sandstone. U S G S, Min Res, Calendar Year 1909:569-608, California 587, 590-591 (1911)... 1910:643-682, California 661, 664 (1911)... 1911:641-834, California 763-766 (1912)... 1912:709-818, California 733-734, 736-737 (1913)... 1913:1285-1410, California 1329, 1332-1333 (1914)

11h Trap rock. U S G S, Min Res, Calendar Year 1909:569-608, California 586 (1911)... 1910:643-682, California 659-660 (1911)... 1911:641-834, California 761-762 (1912)... 1913:709-818, California 732-733 (1913)... 1913:1285-1410, California 1312-1313 (1914)

11i Cement. U S G S, Min Res, Calendar Year 1909:433-452, California 435 (1911)... 1910:469-535, California 471-472, 483, 491-492 (1911)... 1911:485-519, California 487-488 (1912)... 1912:503-524 California 505-507, 511, 517-518 (1913)... 1913: 117-143 California 120-122, 126, 135 (1914)... 1914:221-259, California 227, 229, 233, 235 (1916)... 1915:189-212, California 195-196, 199, 201 (1917)... 1916:341-375, California

Burchard, Ernest F.—Cont.

348-349, 352, 354, 357-358 (1919)... 1917: 343-380, California 347-349, 352-355, 357 (1920)... 1918:565-627, California 572, 575, 577-579 (1921)... 1919:387-404, California 390-392, 395, 397, 401 (1922)... 1920:263-282, California 267-268, 271, 273, 278 (1922)

11j Iron ore. U S G S, Min Res, Calendar Year 1909:71-99, California 78 (1911)... 1910:69-102, California 71-73, 75, 80-81 (1911)... 1911:119-174, California 122-125, 163 (1912)... 1912:147-202, California 147, 149, 151-154, 161, 172-176 (1913)... 1913:291-338, California 293-298, 305 (1914)... 1914:477-539, California 481-486 (1916)... 1915:279-341, California 282-284, 291 (1917)... 1916:507-564, California 511-512, 518, 537, 541 (1919)... 1917:557-603, California 560-561 (1920)... 1918: 527-584, California 531-532, 539 (1921)... 1919:621-652, California 623-624, 627 (1922)

20 Recovery of potash. U S G S, Min Res, Calendar Year 1917:343-380, California 361 (1920)... 1918:565-627, California 585 (1921)... 1919:387-404, California 401 (1922)... 1920:263-282, California 278 (1922)

22 (and **Davis,** Hubert W.) Iron ore. U S G S, Min Res, Calendar Year 1920: 365-399, California 367, 370-371 (1922)... 1921:565-597, California 566-568, 572 (1924)... 1922:341-376, California 344, 346, 350 (1925)... U S B M, Min Res, 1924:297-333, California 299, 302, 306 (1927)

24 (and **Bagley,** Belle W.) Cement. U S G S, Min Res, Calendar Year 1921: 215-228, California 216, 220, 222, 224 (1924)... 1922:227-249, California 232-233, 238, 243 (1925)... 1923:293-325, California 296 (1927)... U S B M, Min Res, 1924:347-383, California 361, 366-369, 370 (1927)

Burchard, Horatio C.

81 Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1880:443 pp (1881)... 1881:765 pp (1882)... 1882:873 pp (1883)... 1883:858 pp (1884)... 1884:644 pp (1885)

83 Precious metals in California. *In* H. C. Burchard, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar year 1880:11-90 (1881)... 1881:11-117 (1882)... 1882:15-134 (1883)... 1883:115-234 (1884)... 1884: 64-175 (1885)

Burgess, J. L.

05 (with **Holmes,** J. G., **Jensen,** C. A., **Marean,** H. W., **Neill,** N. P., **Root,** A. S., **McLendon,** W. E., **Strahorn,** A. T., and **Sweet,** A. T.) Soil survey of the Yuma area, Arizona-California. U. S. Dept Agr, Bur Soils, Rp 6, 1904:1025-1047, map no 47 (1905)

Burkart, Herman Joseph (1798-1874).

56 Gediegenes Gold und Zinnober aus Californien, so wie Manganblende und Fahlers aus Mexico. Naturh Ver Preus Rheinl, verh (Niederrhein Ges Bonn, Szb) 13:xv-xx (1856)

57 Boden-Verhaltinsse das Californischen gold distriktes und vorkammen das metalles. N Jb 1857:461-463 (1857)

69 Der Mineralreichthum Californiens und der angrenzenden Staaten und Territorien. Berg- u Hütt Ztg 28:3-5, 21-22, 51-52, 83-85, 94-95, 103-104, 198-199, 212-215, 221-223 (1869)

70 Die Goldlagerstätten Californiens. N Jb 1870:21-50, 129-182 (1870)

70a Das Petroleum und seine Production in Nord-Amerika. Berg- u Huttenm Ztg 29:373-376 (1870) (*abst*) N Jb 1871:87-90 (1871)

73 Ueber das Vorkommen verschiedener Tellur-Minerale in den Vereinigten Staaten von Nordamerika. N Jb 1873:476-495 (1873)

74 Das Borax-Vorkommen in den westlichen Staaten von Nordamerika. N Jb 1874:716-720 (1874) (*abst*) G Rec 1874:225 (1875)

Burnett, Charles A.

91 Irrigation literature. *In* U S G S, An Rp 11 pt 2:345-388 (1891)

Bush, R. D.

23 (and **Collom,** R. E.) Ninth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1923-24. Cal St M Bur (1923-24)

24 Oil Field Operations. Cal St M Bur, St Mineralogist's Rp 20:51-57, 99-104, 201-207, 375-380 (1924)

24a Tenth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1924-25. Cal St M Bur (1924-25)

25 Oil Field Development. Cal St M Bur, St Mineralogist's Rp 21:72-76, 246-250, 383-389, 563-567 (1925)

25a Eleventh Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1925-26. Cal St M Bur (1925-26)

26 Twelfth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1926-27 Cal St M Bur (1926-27)

26a Resume of oil field operations in California in 1925. Cal Oil Fields 11, no 8:5-11 (February, 1926)... 1926 12, no 8:5-11 (February, 1927)... 1927 13, no 8:5-11 (February, 1928)... 1928 14, no 8-7-13 (Febru-

Bush, R. D.—Cont.

ary, 1929)... 1929 15, no 3:21-27 (1930)... 1930 16, no 3:14-23 (1931) (*abst*) Eng Index 1926:1534 (1927)... 1927:582 (1928)... 1928: 1298 (1929) (*ann*) An Bib Ec G 1:225 (1928)

27 Thirteenth Annual Report of the State Oil and Gas Supervisors of California for the fiscal year 1927-28. Cal St M Bur (1927-28)

28 Fourteenth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1928-29. Cal St M Bur (1928-29)

28b Conservation of gas in California. Oil Gas J 27, no 22:184, 204, 343-344 (October 18, 1928) Petroleum World 13, no 10:82 (October, 1928) (*ann*) An Bib Ec G 1:194 (1928)

Butler, Bert S.

09 Copper. U S G S, Min Res, Calendar Year 1908:185-226, California 187, 189-199, 205-207 (1909)... 1909:151-180, California 155, 157-165, 167-168 (1911)... 1910: 155-220, California 156, 162, 166, 168-170, 173-181, 193-195 (1911)... 1911:255-313, California 256-257, 259-260, 264-265, 267-275, 287-290 (1912)... 1912:275-334, California 276, 285-296, 308-310 (1913)... 1913:523-581, California 524, 526-527, 530-531, 533-541, 555-557 (1914)... 1914:541-596, California 542, 547, 549-557, 571-573 (1916)... 1915:655-722, California 656, 660-662, 665-672, 689-692 (1917)... 1916:623-677, California 624, 633, 635-643, 655-657 (1919)... 1917:723-796, California 725, 736, 738-746, 758-761 (1921)... 1918:877-935, California 879, 886-887, 889, 891-899, 910-912 (1921)

09a Pyrogenetic epidote. Am J Sc (4) 28:27-32 (1909)

Butler-King, M.

50 Rapport sur la Californie, sa population, son climat, son sol, ses diverses productions, etc., adresse au secretaire d'Etat de Etats-Unis. An Mines (4) 18: 475-534 (1850)

Butts, Allison.

17 Manganese. Min Ind 25 :485-499, California 487, 491 (1917)...26:415-445, California 416-417, 419, 423-424 (1918)...27:459-482, California 460, 464-465 (1919)

Buwalda, John Peter.

13 Faunal zones of the San Pablo formation east of Walnut Creek, near Mount Diablo, Cal. (*abst*) G Soc Am, B 24:130 (1913)

14 Pleistocene beds at Manix in the eastern Mohave Desert region. Cal Univ, Dp G, B 7:443-464 (1914) (*abst*) G Zentralbl 20:384-385 (1914)

Buwalda, John Peter—Cont.

15 Structure of the southern Sierra Nevada. (*abst*) G Soc Am, B 26:403 (1915)

16 New mammalian faunas from Miocene sediments near Tehachapi Pass in the southern Sierra Nevada. Cal Univ, Dp G, B 10:75-85 (1916) (*abst*), with discussion by J. C. Merriam. G Soc Am, B 27:170 (1916)

16a Note on the geology of the Tejon Hills. *In* Merriam, J. C. Mammalian remains from the Chanac formation of the Tejon Hills, California. Cal Univ, Dp G, B 10:113-114 (1916)

17 (and **Merriam**, John Campbell) Age of strata referred to the Ellensburg formation in the White Bluffs of the Columbia River. Cal Univ, Dp G, B 10:255-266, pl 13 (April 14, 1917) (*abst*) G Zentralbl 29:437 (1923)

20 Fault system at the southern end of the Sierra Nevada California. (*abst*) G Soc Am, B 31:127 (1920)

26 Certain inference regarding the nature of the movements along the Hayward fault zone (California) (*abst*) G Soc Am, B 37:212 (1926)

27 Slope of Basin Range faults and scarps. (*abst*) G Soc Am, B 38:206 (1927)

29 Nature of the late movements on the Haywards Rift, central California. Seism Soc Am, B 19:187-199 (1929)

30 (and **Stanton**, W. L.) Geological events in the history of the Indio Hills and Salton Basin, southern California. Science (n s) 71: 104-106 (1930)

30a (and **Wood**, H. O.) Horizontal displacement along the San Andreas fault in Carriso Plain, Cal. (*abst*) Pan Am G 54:75 (1930)

30b (and **Gazin**, C. L. and **Sutherland**, J. C.) Frazier Mountain, a crystalline overthrust slab, west of Tejon Pass, southern California (*abst*) G Soc Am, B 41:146-147 (1930). Pan Am G 54:71-72 (1930)

Byerly, Perry.

24 (and **Macelwane**, J. B.) The registration of earthquakes at the Berkeley Station and the Lick Observatory Station from October 1, 1921, to March 31, 1922. Cal Univ, Seism Sta, B 2 no 3:29-54 (1924)... April 1, 1922, to September 30, 1922, no 4:55-56 (1924)... October 1, 1923, to March 31, 1924, no 7-107-119 (1925)

25 Notes on the intensity of the Santa Barbara earthquake between Santa Barbara and San Luis Obispo, California. Seism Soc Am, B 15:279-281 (1925)

26 (and **Mitchell**, George D.) The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from April 1, 1924, to September 30,

Byerly, Perry—Cont.

1924. Cal Univ, Seism Sta, B 2, no 8:121-140 (August 24, 1926)

26a (and **Mitchell, George D.**) The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from October 1, 1924, to March 31, 1925. Cal Univ, Seism Sta, B 2 no 9:141-154 (September 23, 1926)

26b The depth of focus of two recent earthquakes and the depth of the surface layer of the earth in California. Seism Soc Am, B 16:1-9, 1 pl (1926)

27 The Idria (California) earthquake of July 25, 1926. Seism Soc Am, B 17:203-206 (1927)

27a The Evergreen (California) earthquake of July 19, 1925, and May 28, 1927. Seism Soc Am, B 17:137-146 (1927)

27b The Eureka (California) earthquake of August 20, 1927. Seism Soc Am, B 17:213-217 (1927)

27c Southern Nevada earthquake of August 21, 1925, and California earthquake of July 19, 1925. (*abst*) G Soc Am, B 38:205-206 (1927)

30 Thickness of surface layer of earth under the Pacific. (*abst*) Pan Am G 54: 156 (1930)

30a The California earthquake of November 4, 1927. Seism Soc Am, B 20, no 2:53-66, 3 figs (June, 1930)

30b (and **Dyk, Robert**). The registration of earthquakes at the Berkeley station and at the Lick Observatory station from April 1, 1929 to September 30, 1929. Cal Univ, Seism Sta, B 2, no 18:361-397 (March 11, 1930)

30c The earthquakes of November 28, 1929, and the surface layers of the earth in California. (*abst*) Science (n s) 72: 373 (1930)

30d (and **Dyk, Robert**). The registration of earthquakes at the Berkeley station and the Lick observatory station from October 1, 1929, to March 31, 1930. Cal Univ, Seism Sta, B 2 no 19:399-439 (1930)

Byers, Charles Alma.

07 The possibilities of Salton Sea. Pop Sc Mo, 70, no 1:5-18, 20 figs (1907)

Cadle, Austin.

28 The California oil industry in 1927. Am As Petroleum G, B 12 (6): 651-658, 4 figs, June, 1928. (*ann*) An Bib Ec G 1:226 (1928)

California Academy of Sciences.

76 Memorial (on the continuance of the State geological survey). Cal Ac Sc, Pr 6:206-207 (1876)

California Department of Public Works.

23 Irrigation requirements of California lands. Cal Dp Pub Works, Div Eng and Irrigation, B 6:83 (1923)

California Geological Survey

61 Notice of reports. Am J Sc (2) 31: 124 (1861)...(2) 33:155 (1862)...(2) 34:157 (1862)...(2) 36:118-122 (1863)...(2) 37:82-84, 427-431 (1864)... (2) 38:256-264, 298 (1864) ...(2) 39:10-13, 99-100 (1865)...(2) 40:141-142 (1865)

California Miners' Association.

99 Alameda County. In California mines and minerals (pub by California Miners' Association): 389, San Francisco, Cal. (1899)

99a California mines and minerals. 450 pp, maps, San Francisco, Cal (1899)

99b Fresno and Madera Counties. *In* California mines and minerals (pub by California Miners' Association): 391-394, San Francisco, Cal (1899)

99c Nevada County. *In* California mines and minerals (pub by California Miners' Association): 263-278, San Francisco, Cal (1899)

99d Plumas and Sierra counties. *In* California mines and minerals (pub by California Miners' Association): 380-386, San Francisco, Cal (1899)

99e Quicksilver in California. *In* California mines and minerals (pub by California Miners' Association): 430-433, San Francisco Cal (1889)

99f Southern California. *In* California mines and minerals (pub by California Miners' Association): 395-405, San Francisco, Cal (1899)

99g Yuba County. *In* California mines and minerals (pub by California Miners' Association): 387, San Francisco, Cal (1899)

California Oil World.

22 Mining bureau's report shows Pt. Firmin area. 14:3 (February 2, 1922)

27 New Pico area well. 20:1, 4 (October 20, 1927)

28 Geologist locates Round Mountain fault. 20:5 (February 9, 1928)

California State Mining Bureau.

03 Register of mines and minerals, with map (of each of the following counties, issued separately). Amador, 17 pp (1903); Butte, 13 pp (1903); Calaveras, 50 pp (1900); El Dorado, 32 pp (1902); Inyo, 24 pp (1902); Kern, 37 pp (1904); Lake, 14 pp (1901); Mariposa, 19 pp (1903); Nevada, 18 pp (1898); Placer, 21 pp (1902); Plumas, 36 pp (1900); San Bernardino, 35 pp (1902); San Diego, 15 pp (1902); Santa Barbara, 12 pp (1906); Shasta, 27 pp

California State Mining Bureau—Cont.
(1902); Sierra, 24 pp (1903); Siskiyou, 50 pp (1900); Tuolumne, 24 pp (1903); Yuba, 20 pp (1905).

08 Mineral productions of California. B 53:62 pp (1908)

10 An administrative report of the Board of Trustees and state mineralogist covering the sixtieth fiscal year ending June 30, 1909, and sixty-first fiscal year ending June 30, 1910. 29 pp, Sacramento (1910)

10a Gold dredging in California. B 57: 312 pp, maps (1910)

16 California mineral production for 1915 (quicksilver). B 71:33-35 (1916)

Calkins, Frank Cathcart.

16 Molybdenite near Ramona, San Diego County, Cal. U S G S, B 640:73-76 (1916) (*abst*) Wash Ac Sc, J 7:78 (1917)

16a An occurrence of nickel ore in San Diego County, Cal. U S G S, B 640:77-82 (1916) (*abst*) Wash Ac Sc, J 7:78 (1917) G Zentralbl 28:134 (1922)

30 The granitic rocks of the Yosemite region. U S G S, PP 160:120-129, 1 pl, map (1930)

Call, Richard Ellsworth (1856-1917).

85 On the Quaternary and recent Mollusca of the Great Basin, with descriptions of new forms. U S G S, B 11:66 pp, il (1885)

88 Post Pliocene Limnaeid. Am G 1:146-148 (1888)

Camp, Charles Lewis.

16 (with **Merriam**, J. C.) Recent studies on skull structure of *Thalattosaurus*. (*abst*) G Soc Am, B 27:171 (1916)

17 An extinct toad from Rancho La Brea. Cal Univ, Dp G, B 10:287-292, il (1917) (*abst*) G Zentralbl 29:477 (1923)

Campbell, Donald F.

06 The iron ore of Shasta Co, Cal. M Sc Press 93:603 (1906)

07 The copper of Shasta Co, Cal. M Sc Press 94:28-30, 55-58 (1907) (*abst*) Eng Index 1907:306 (1908)

Campbell, Julia E.

98 Quaternary fossil shells, Long Beach California. Nautilus, 12:7-8 (1898)

Campbell, Marius Robison.

02 Reconnaissance of the borax deposits of Death Valley and Mohave Desert. U S G S, B 200: 23 pp, map (1902) (*abst*) G Zentralbl 5:257-258 (1904) Eng M J 74:517-519 (1902)

03 Borax deposits of eastern California. U S G S, B 213:401-405 (1903) (*abst*) G Zentralbl 5:466 (1904)

03a Basin range structure in the Death Valley region of southeastern California. (*abst*) Science (n s) 17:302 (1903) G Soc Am, B 14:551-552 (1904) Am G 31:311-312 (1903) G Zentralbl 7:602-603 (1906)

07 Coal of Stone Canyon, Monterey Co, Cal. U S G S, B 316:435-438 (1907)

09 (and **Parker**, E. W.) Coal fields of United States. U S G S, B 394:7-26 (1909) Nat Conservation Comm Rp (60th cong 2d sess Sen Doc no 676) 3:426-442 (1909) Am I M Eng, B 28:365-372 (1909); Tr 40: 253-260 (1910)

11 Coal in San Benito Co, Cal. U S G S, B 431:243-247 (1911)

11a Historical review of theories advanced by American geologists to account for the origin and accumulation of oil. Ec G 6:363-395, 812 California oil fields 385-389 (1911)

13 The coal reserves of the United States. Int G Cong 12, Canada, The Coal Resources of the World 1: lxiii-lxiv, 2: 525-539 map (1913)

15 Movement of sand dunes on the California coast. (*abst*) Wash Ac Sc, J 5, no 9:328 (May 4, 1915)

Campbell, William Wallace.

06 On the earthquake of April 18, 1906. Astron Soc Pacific, Pub 18:213-217 (1906)

Canfield, R. B.

05 Water problems of Santa Barbara, Cal. U S G S, W-S P 116:21-22 (reprint of portion of private report made in 1896) (1905)

Carey, Everett P.

06 The great fault of California and the San Francisco earthquake, April 18, 1906. J Geog 5:289-301 (1906)

07 (and **Miller**, W. J.) The crystalline rocks of the Oak Hill area, near San Jose, Cal. J G 15:152-169 (1907)

10 (with **Fairbanks**, H. W.) Glaciation in the San Bernardino Range, Cal. Science (n s) 31:32-33 (1910)

Carlson, Anders J.

30 Geothermal variations in oil fields of Los Angeles Basin, California. Am As Petroleum G, B 14:997-1011, 5 figs, 4 tables (1930) (*ann*) An Bib Ec G 3:392 (1931) (*abst*) Pan Am G 53:221 (1930)

Carnall, V.

51 Verbreitung des Goldes in Californien. Deut G Ges, Zs 3:376 (1851)...4:210, 218, 713, 722 (1852)

52 Ueber Zinnobergruben in Californien. Deut G Ges, Zs 4:210, 218 (1852)

Carpenter, E. J.

23 (with **Nelson**, J. W., **Dean**, W. C., **Kocher**, A. E., **Watson**, E. B., and **Lapham**, M. H.) Soil survey of the Ventura area, Cal. U S Dp Agr, Bur Soils, Rp 19:2321-2403, pls 26-28, map no 56 (1923)

23a (with **Kocher**, A. E., **Dean**, Walter C., **Smith**, Alfred, **Cosby**, S. W., and **Wank**, M. E.) Soil survey of the Brawley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1920:641–716, 5 pl, 1 fig, 2 maps (1923)

28 (and **Cosby**, S. W.) Soil survey of the Lancaster area, Cal. U S Dp Agr, Bur Soils Field Operations for 1922, Rp 24:663-720, pls 20-21, map (no 20), (1928)

29 (and **Cosby**, Stanley W.) Soil survey of the Salinas area, California. U S Dp Agr, Bur Chem and Soils, Ser 1925, no 11:1-80 pp, 3 pls, 1 fig, 1 map (1929)

29a (with **Kocher**, A. E., and **Youngs**, F. O.) Soil survey of King City area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1924, no 24:63 pp, 1 pl, 1 fig, 1 map (1929)

30 (with **Strahorn**, A. T., **Glassey**, T. W., and **Storie**, R. Earle) Soil survey of the Oroville area, California. U S Dp Agr, Bur Chem and Soils, Ser 1926, no 4:1-63 pp, 3 pls, 1 fig, 1 map (1930)

Carpenter, Ford A.

91 Physiography of Lake Tahoe. 72 pp, San Francisco (1891)

21 Early records of earthquakes in southern California. Seism Soc Am, B 11:1-3 (1921)

Carpenter, Jay A.

19 The Kelly silver mine at Randsburg, California. Eng M J 108:940-943, 3 figs (1919)

21 A Sagebrush silver producer. (The Kelly Mine development to 1921). Eng M J 112:132-135, 2 figs (1921)

Carpenter, Philip Pearsell.

66 On the Pleistocene fossils collected... at Santa Barbara, Cal., with descriptions of new species. An Mag N H (3) 17:274-278 (1866) Smiths Misc Coll (252) 10:319-325 (1872) U S G S, P P 59:189-191 (1909)

Carr, E. S.

74 On mountain sculpture in the Sierra Nevada and the method of glacial erosion. Am J Sc (3) 7:515-516 (1874). From Overland Monthly (May, 1874)

Carrières, Le Capitaine A. C. De La.

56 Voyage aux pays aurifères: Afrique, Mexique, Californie, Perou, Chili, Nouvelle-Caledonie, Australie, Russie. (1856)

Carson, Carlton M.

25 Pliocene faunal zones in southern California. Pan Am G 43:265-270 (1925)

25a Some new species from the Pliocene of southern California, with a few changes on nomenclature. S Cal Ac Sc, B 24, pt 2:31-35, 1 pl (1925)

Carter, Oscar S. C.

02 The arid district between the Rio Grande and the Pacific traversed by the engineers of the Mexican Boundary Commission in 1892-94. Phila Eng Club, Pr 19:252-267 (1902) (*abst*) G Zentralbl 9:377 (1907)

02a Death Valley, California. Franklin Inst, J 154:193-199 (1902)

Cartwright, Lon D. Jr.

27 Age of the oil in the Miocene shales of the Ventura district, California. Am As Petroleum G, B 11:88-90 (1927)

28 Sedimentation of the Pico formation in the Ventura quadrangle, California. Am As Petroelum G, B 12:235-269, 12 figs (1928) (*abst*) Rv Geol et Sci conn 9:117-118, 140 (1928) (*abst*) N Jb 1929, Ref 3:391-292 (1929) G Zentralbl 38:512 (1929) (*abst*) Eng Index 1928:1376 (1929)

28a Loss of color of red sandstone upon redeposition. Am As Petroleum G, B 12:85-86, 1 fig (1928)

Case, E. C.

95 On the mud and sand dikes of the White River Miocene. Am G, 15:248-254 (1895)

19 The environment of vertebrate life in the late Paleozoic in North America: a paleogeographic study. Carnegie Inst, Wash, Pub 283:272 pp California 137-138 (1919)

Case, J. B.

22 (and **Wilhelm**, V. H.) Report on Huntington Beach oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 9, no 6:5-16, 5 pl (Dec, 1922)

23 (and **Keyes**, Robert L.) Report on the Long Beach oil field. Cal St M Bur, Summary of Operations California Oil Fields, An Rp 9, no 4:5-17, 3 pls (October, 1923) (*abst*) Eng Index 1924:491 (1925)

23a Report on Santa Fe Springs oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 8, no 11:5-19, 4 pls (incl map), May (1923)

23b Report on Santa Fe Springs oil field. Petroleum World (London), 20:401-402, 404-409 (1923)

24 (and **Keyes**, R. L.) The Long Beach oil fields. Petroleum Times, 11:301-303 (March 1, 1924)

Case, J. B.—Cont.

28 (and **Templeton**, R. R., **McCollom**, C. R.) Santa Fe Springs. Oil Bull 14, no 9:919-921 1 fig (September 1928) (*abst*) Eng Index 1928:1298 (1929)

Castello, W. O.

18 (and **Boalich**, E. S.) Antimony, graphite, nickel, potash, strontium, tin. Cal St M Bur, Prel Rp 5:44 pp (1918) G Zentralbl 29:425 (1923)

18a (and **Boalich**, E. S.) Tungsten, molybdenum, and vanadium. Cal St M Bur, Prel Rp no 4:34 pp (1918) G Zentralbl 29:425 (1923)

20 The commercial minerals of California, with notes on their uses, distribution, properties, ores, field tests, and preparation for the market. Cal St M Bur, B 87:124 pp (1920)

20a (and others) The clay industry in California. Cal St M Bur, Prel Rp 7:102 pp, 24 il (1920)

21 Mariposa County. Cal St M Bur, St Mineralogist's Rp 17:86-143 (1921)

21a (and **Huguenin**, E.) Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara, Santa Cruz counties. Cal St M Bur, St Mineralogist's Rp 17:17-42, 48-67, 163-165, 167-179, 180-227, 228-241 (1921)

Chace, E. M.

19 (and **Chace**, E. P.) An unreported exposure of the San Pedro Pleistocene. (List of fossils; fossil chitons by S. S. Berry) Lorquinia 2, no 6:41-43 (1919)

Chalfant, W. A.

22 The story of Inyo. 358 pp (1922)

28 A boy in California in forty-nine. In Outposts of Civilization 165-193 (1928)

30 Death Valley the facts. Stanford Univ Press:155 pp, 30 ils, Chap VIII Geology and mining 104-114, Chap IX Borax 115-122, Chap X Nature's novelties 122-129 (1930)

Chandler, Asa C.

14 Antelopes in the fauna of Rancho La Brea. (*abst*) G Soc Am, B 25:155 (1914)

16 Notes on *Capromeryx* material from the Pleistocene of Rancho La Brea (Cal). Cal Univ, Dp G, B 9:111-120, il (1916) (*abst*) G Zentralbl 29:474 (1923)

16a A study of the skull and dentition of *Bison antiquus* Leidy, with special reference to material from the Pacific coast. Cal Univ, Dp G, B 9:121-135, il (1916) (*abst*) G Zentralbl 29:474 (1923)

16b The bison of Rancho La Brea. (*abst*) G Soc Am, B 27:170 (1916)

Chandler, A. E.

01 Water storage on Cache Creek, California. U S G S, W-S P 45:48 pp, 10 pls (1901)

Chaney, Ralph Works.

21 A fossil flora from the Puente formation of the Monterey group. Am J Sc (5) 2:90-92 (1921) (*abst*) G Zentralbl 28:315 (1922)

22 Flora of the Rancho La Brea (southern California) (*abst*) G Soc Am, B 33:204 (1922) G Zentralbl 31:223 (1924)

24 Notes on the occurrence of terrestrial plant fossils in association with marine deposits in the western United States. Pan Pacific Sci Cong, Australia, 1923, Proc, 1:882 (1924)

24a (Studies in paleobotany of Pacific region). Carnegie Inst, Wash, Yr Bk 23: 292-293 (1924)

25 Notes on two fossil hackberries from the Tertiary of the western United States. *In* Studies on the fossil flora and fauna of the Western United States. Carnegie Inst, Wash, Pub 349:49-56, 1 pl (1925)

25a (Studies of the Tertiary Floras of the western United States.) Carnegie Inst, Wash, Pub 349:49-56, 1 pl (1925)

25b A record of the presence of *Umbellularia* in the Tertiary of the western United States. *In* Studies on the fossil flora and fauna of the western United States. Carnegie Inst, Wash, Pub 349:57-62, 1 pl (1925)

25c The Mascall flora; its distribution and climatic relation. *In* Studies on the fossil flora and fauna of the western United States. Carnegie Inst, Wash, Pub 349:28-48, 1 fig, 1 pl (1925)

25d A comparative study of the Bridge Creek flora and the modern redwood forest. *In* Studies on the fossil flora and fauna of the Western United States. Carnegie Inst, Wash, Pub 349:1-22, 7 pls (1925)

26 Relationships of the marine and fresh-water Tertiary of western North America, based on recent collections of fossil plants. (*abst*) G Soc Am, B 37:213-214 (1926)

26a (and **Clements**, F. E.) Principles and methods in Paleo-ecology. Carnegie Inst, Wash, Yr Bk no 25:370-371 (1926)

28 Recent additions to the Pleistocene history of western California. (*abst*) G Soc Am, B 39:221 (1928) Pan Am G 49: 149-150 (1928)

30 (and **Mason**, Herbert L.) A Pleistocene flora from Santa Cruz Island, California. Reprint Carnegie Inst, Wash, Pub 415:1-24. (September 1930)

Chapman, Frederick.

96 On some Pliocene *Ostracoda* from near Berkeley, Cal. Cal Univ, Dp G, B 2:93-100, il (1896)

00 Foraminifera from the Tertiary of California. Cal Ac Sc, Pr (3) G 1:241-260, il (1900) (*abst*) G Zentralbl 1:412 (1901)

Chapman, Robert Hollister (1868-1920).

06 The deserts of Nevada and the Death Valley. Nat Geog Mag 17:483-497 (1906) Sc Am Sup 63:26126-26129 (1907)

Chappius, L. C.

30 Los Angeles Basin still holds promise of new discoveries. Petroleum World and Oil Age 27:67-69 (March 1930)

30a Oil discovery in the Vaqueros great boost for Belridge. Petroleum World and Oil Age 27:70-72 (June, 1930)

Chase, A. W.

73 On the artesian wells of Los Angeles Co, Cal. Cal Ac Sc, Pr 5:104-107 (1873)

73a On the lower Klamath River mines; remarkable gravel deposits of the lower Klamath. Am J Sc (3) 6:56-59 (1873)

74 Gold Bluffs, Cal. *In* R. W. Raymond Sixth Report on Mineral Resources of the States and Territories west of the Mississippi, 1873: 145-147 (1874)

74a The auriferous gravel deposit of Gold Bluffs. Am J Sc (3) 7:379 (1874)

Chase, J. L.

29 The Santa Barbara Mesa discovery, Oil Bull 15:690-693 (July, 1929) (*abst*) Eng Index 1929:1301 (1930) (*ann*) An Bib Ec G 2:134 (1929)

Chase, J. S.

19 California desert trails. Houghton Mifflin Co, pp 51, 310 (1919)

Chatard, T. M.

84 (and **Clarke,** F. W.) A report of work done in the Washington laboratory... 1883-84. U S G S, B 9:40 pp, California 16 (1884)

88 Analyses of the waters of some American alkali lakes. Am J Sc (3) 36: 146-150 (1888)

89 On urao. Am J Sc (3) 38:59-64 (1889) U S G S, B 60:75-78 (1890)

89a Volcanic rocks from California. (Analyses) U S G S, B 55:84 (1889)

89b (with (**Hillebrand,** W. F. and **Riggs,** R. B.) Analyses of fifteen rocks from California. U S G S, B 55:84-85 (1889)

89c Two clays from shore of Owen's Lake, Cal. U S G S, B 55:89 (1889)

90 Natural soda, its occurrence and utilization. U S G S, B 60:27-101 (1890)

91 Rocks from California. (analyses) U S G S, B 78:123 (1891)

Chatard, T. M.—Cont.

95 The natural soda deposits of the United States. Franklin Inst, J 139:271-283, 341-351 (1895)

Chenoweth, Justin.

02 Heretical geology. M Sc Press 64: 359 (1892)

Christy, Samuel Benedict (1853-1914).

79 On the genesis of cinnabar deposits. Am J Sc (3) 17:453-463 (1879)

06 Some lessons from the (San Francisco) earthquake. M Sc Press 92:273-274 (1906)

Church, C. C.

27 (and **Hanna,** G. D.) A collection of recent foraminifera taken off San Francisco Bay, California. J Paleontology 1:195-202 (1927) (*abst*) G Zentralbl 41:171 (1930)

28 A new species of *Bolivinita* from the lower Pliocene of California. J Paleontology 1 (4):265-268, 1928 (*ann*) An Bib Ec G 1:210 (1928) (*abst*) G Zentralbl 41: 171 (1930)

28a (and **Hanna,** G. Dallas). Freezing and thawing to disintegrate shales. J Paleontology 2:131 (1928)

29 Some shallow water foraminifera dredged near Santa Catalina Islands, California. J Paleontology 3 (3):302-305, September, 1929 (*ann*) An Bib Ec G 2:403 (1929) G Zentralbl 42:348 (1930)

29a The occurrence of *Kyphopyxa* in California. J Paleontology 3:411 (1929) ...4:74 (1930)

29b (and **Cushman,** J. A.) Some Upper Cretaceous Foraminifera from near Coalinga. Cal Ac Sc, Pr (4) 18:497-530, pls 36-41 (1929) J Paleontology 4:198 (1930) (*abst*) G Zentralbl 41:345-346 (1930)

30 Foraminifera of Cantua shale. (*abst*) Pan Am G 54, no 1:79 (August, 1930)

Clapp, Frederick G.

06 (with **Fuller,** Myron L., and **Johnson,** Bertrand L.) Bibliographic review and index of underground-water literature published in the United States in 1905: U S G S, W-S P 163:130 pp (1906)

13 Outline of the geology of natural gas in the United States. Ec G 8:517-542 (1913)

16 The geology of petroleum; being Chapter 2, 34-68, pls 2-11, in Bacon & Hamor's "The American Petroleum Industry." McGraw-Hill Book Co. (1916)

17 Revision of the structural classification of oil and gas fields. G Soc Am, B 28:553-602 (1917)

22 The occurrence of petroleum; being Chapter 1, 1-166, in David T Day's

Clapp, Frederick G.—Cont.

"Handbook of Petroleum Technology," John Wiley & Sons, New York (1922)

29 Role of geologic structure in the accumulation of petroleum; in "Structure of typical American oil fields—A symposium on the relation of oil accumulation to structure," 2:667-716 (1929)

Clapp, W. B.

05 Report of progress of stream measurements for the calendar year 1904, Part 11, The Great Basin and Pacific Ocean Drainages in California. U S G S, W-S P 134:276 pp, 2 pls (1905)

06 (and **Hoyt,** J. C.) Report of progress of stream measurements for the Calendar Year 1905, Part 13. The Great Basin and Pacific Ocean Drainages in California. U S G S, W-S P 177:273 pp, 1 pl (1906)

07 The surface water supply of California, 1906, with a section on groundwater levels in southern California (Great Basin and Pacific Ocean Drainages in California and lower Colorado River drainage. U S G S, W-S P 213:219 pp, 4 pls (1907)

10 (and **Martin,** W. F., under direction of M. O. **Leighton**) Surface water supply of the United States 1907-08. Part 11, California. U S G S W-S P 251:363 pp 7 pls (1910)

11 (and **Henshaw,** F. F., under direction of M. O. **Leighton**) Surface water supply of the United States, 1909. Part 11, California. U S G S, W-S P 271: 256 pp, 6 pls (1911)

12 (with **McGlashan,** H. D., **Henshaw,** F. F., under direction of M. O. **Leighton**) Surface water supply of the United States, 1910. Part 11, Pacific coast in California. U S G S, W-S P 291:218 pp, 4 pls (1912)

Clark, Alex.

29 Pliocene beds at Timms Point, San Pedro. (Summary Statement) Pan Am G 52:156 (1929) (*abst*) G Soc Am, B 41:210 (1930)

Clark, Bruce Lawrence.

12 The Neocene section at Kirker Pass on the north side of Mount Diablo. Cal Univ, Dp G, B 7:47-60, map (1912) G Zentralbl 19:462-463 (1913)

13 San Pablo formation on the north side of Mount Diablo, Cal. (*abst*) G Soc Am, B 24:130 (1913)

14 Fauna of the *Scutella breweriana* zone of the upper Monterey series. (*abst*) G Soc Am, B 25:151 (1914)

14a Fauna of the San Pablo series. (*abst*) G Soc Am, B 25:152-153 (1914)

Clark, Bruce Lawrence—Cont.

14b The Marine molluscan fauna from the vicinity of Bolinas Bay, Cal. Nautilus, 28:25-28 (1914)

15 Fauna of the San Pablo group of middle California. Cal Univ, Dp G, B 8:385-572, il, map (1915) (*abst*) G Zentralbl 30:51 (1924) Rv Geol et Sci conn 2: 545 (1921)

15a The occurrence of Oligocene in the Contra Costa hills of middle California. Cal Univ, Dp G, B 9:9-21 (1915) (*abst*) G Zentralbl 30:53 (1924) Rv Geol et Sci conn 2:545 1921)

16 Note on the marine Tertiary faunas of the Tejon Hills section. Cal Univ, Dp G, B 10:115 (1916)

17 Astoria series (Oligocene) in the region of Mount Diablo, middle California. (*abst*) G Soc Am, B 28:227-229 (1917)

18 Meganos group, a newly recognized division in the Eocene of California. G Soc Am, B 29:281-296 (*abst*)... 94 (1918) Rv Geol et Sci conn 3: 46-47 (1922)

18a (and **Arnold,** R.) Marine Oligocene of the west coast of North America. G Soc Am, B 29:297-308, 153-154 (*abst*) (1918) (*abst*) Rv Geol et Sci conn 2:545-546 (1921)

18b The San Lorenzo series of middle California. Cal Univ, Dp G, B 11:45-234 (1918) (*abst*) G Zentralbl 29:441-442 (1923)

19 Eocene divisions of California. (*abst*) G Soc Am, B 30:154 (1919)

21 The stratigraphic and faunal relationships of the Meganos group, middle Eocene of California. J G 29:125-165, 9 figs (1921) (*abst*, with discussion) G Soc Am, B 31:192-193 (1920) Rv Geol et Sci conn 3:46-47 (1922)

21a The marine Tertiary of the West Coast of the United States; its sequence, paleogeography, and the problems of correlation. J G 29:583-614, 12 figs (1921)

21b Correlation of the Tertiary marine formations of the West Coast of North America. Pan-Pacific Conference, First, Proc, Bernice P. Bishop Mus, Spec Pub no 7, pt 3, 801-818 (1921)

22 A new family and new genus from the Tertiary of the Pacific coast. Cal Univ, Dp G, B 14:115-122, 2 pls (1922) (*abst*) Rv Geol et Sci conn 4:583 (1923) (*abst*) G Zentralbl 30:381 (1924)

23 (and **Palmer,** Dorothy Kemper) Revision of the Rimella-like gastropods from the west coast of North America. Cal Univ, Dp G, B 14:277-288, 1 pl (1923) (*abst*) G Zentralbl 31:348 (1925) Rv Geol et Sci conn 5:575-576, 787 (1924)

23a (and **Arnold,** Ralph) Fauna of the Sooke Formation, Vancouver Is. Cal Univ, Dp G, B 14:123-234, pls 15-42 (1923) (*abst*) Rv Geol et Sci conn 5:576-

Clark, Bruce Lawrence—Cont.

577, 599, 788-789 (1924) N Jb 1925 Band 1: 264 (1925)

24 A summary of work in progress on the Tertiary and Quaternary of western North America. Pan Pacific Sci Cong, Australia, 1923 Proc, 1:874-879 (1924)

24a Thrust faulting in the region of Mount Diablo, Cal. M Oil Bull 10:1133, 1181, 1200 (1924) (*abst*) G Soc Am, B 36:152 (1925); Pan Am G 43:150 (1925) G Zentralbl 34:361 (1927)

25 Preliminary report on the geology of Mount Diablo, Cal. (*abst*) G Soc Am, B 36:205-206 (1925)

25a (and **Stewart,** Ralph B.) Domengine horizon (middle Eocene), a newly recognized division in the Eocene of California. (*abst*) G Soc Am, B 36:227 (1925) G Zentralbl 34:277 (1926)

25b Pelecypoda from the marine Oligocene of western North America. Cal Univ, Dp G, B 15:69-136, 15 pls (1925) (*abst*) G Zentralbl 33:140 (1926)

25c Preliminary study of geology of Mount Diablo and Byron regions, California. (*abst*) Pan Am G 43:378 (1925)

26 The Domengine horizon, middle Eocene of California. Cal Univ, Dp G, B 16:99-118, 1 fig (1926) (*abst*) G Zentralbl 38:248-249 (1928)...40:42-43 (1929) (*abst*) Biol Absts 2:657 (1928)

27 (and **Woodford,** A. O.) The geology and paleontology of the type section of the Meganos Formation (Lower-Middle Eocene) of California. Cal Univ, Dp G. B 17:63-142, 9 pls, 1 map (1927) (*abst*) G Zentralbl 39:49 (1929)

27a Studies in the tectonics of the Coast Ranges of California. (*abst*) G Soc Am, B 38:163 (1927) Pan Am G 47:158 (1927)

29 Tectonics of the Valle Grande of California. Am As Petroleum G, B 13: 199-238 (March, 1929) (*ann*) An Bib Ec G 2:134 (1929) (*abst*) G Soc Am, B 40:165 (1929) Rv Geol et Sci conn 10:158-159 (1929) Pan Am G 49:305-306 (1928) N Jb 1929 Ref 2:569 (1929) G Zentralbl 40:255-256 (1929) (*abst*) Eng Index 1929:1378 (1930)

29a Origins of marine Tertic faunas of the Pacific coast. (Summary statement) Pan Am G 52:159-160 (1929) (*abst*) G Soc Am, B 41:215 (1930)

29b Tectonics and Paleogeography of San Ramon Basin. (Summary statement) Pan Am G 51:368-369 (1929) (*abst*) G Soc Am, B 41:151 (1930) (*abst*) Eng Index 1929:1378 (1930)

29c Stratigraphy and faunal horizons of the Coast Ranges of California with illustrations of index fossils of Tertiary horizons. 30 pp, 50 pls, privately published (1929)

Clark, Bruce Lawrence—Cont.

30 Tectonics of the Coast Ranges of middle California. G Soc Am, B 41:747-828, pls. figs (1930)

30a Stratigraphy and faunal horizons of the coastal ranges of California. 30 pp, 5 pls. Berkeley. (**Private Publication**) (1930)

30b Stratigraphic relationships in Mt. Diablo area (*abst*) Pan Am G 54:78 (1930)

Clark, Clifton W.

17 The geology and ore deposits of the Leona rhyolite (Cal). Cal Univ, Dp G, B 10:361-382 (1917) (*abst*) G Zentralbl 29: 424 (1923)

17a Lower and Middle Cambrian faunas of the Mohave desert. (*abst*) G Soc Am, B 28:230 (1917) G Zentralbl 20: 120 (1924)

21 Lower and middle Cambrian formations of the Mohave desert. Cal Univ, Dp G, B 13:1-7 (1921) (*abst*) Rv Geol et Sci conn 6:173-174 (1925)

Clark, Hubert Lyman.

29 A new Miocene echinoid from California. (*Megapetalus lovenioides*). San Diego Soc N H, Tr 5, no 17:257-262, 1 pl. (August, 1929)

Clark, Martha B.

17 Summary of mineral production. U S G S, Min Res, Calendar Year 1915:16a-95a, California 64a-65a (1917)... 1916:10a-70a, California 48a (1919)... 1917:27a-76a, California 50a (1920)... 1918:15a-145a, California 122a (1921)... 1919:5a-153a, California 128a (1922)... 1920: 10a-151a, California 129a (1922)... 1921:6a-128a, California 106a (1924)... 1922:7a-124a, California 102a (1925)... 1923:9a-130a, California 108a (1927)... U S B M, Min Res, 1924:8a-109a, California 86a (1927)... 1925: a8-a120, California a96 (1928)... U S G S, Min Res, Calendar Year 1926:a4-a124, California a99 (1929)... 1927 (Preliminary summary): a4-a120, California a95 (1928)... 1928 (Preliminary summary): a4-a116, California a91 (1929)

Clark, William Bullock.

91 Correlation papers; Eocene. U S. G S, B 83:173 pp, maps (1891)

91a A revision of the Cretaceous echinoidea of North America. Johns Hopkins Univ Circ 10, no 87:75-77 (1891)

93 The Mesozoic Echinodermata of the United States. U S G S, B 97: 207 pp, il (1893) (*abst*) Johns Hopkins Univ Circ 12:51-52 (1893)

09 (and **Twitchell,** M. W.) The geological distribution of the Mesozoic and Cenozoic Echinodermata of the United

Clark, William Bullock—Cont.

States. (*abst*) Science (n s) 29:635 (1909) G Soc Am, B 20:686-688 (1910)

15 (and **Twitchell**, Mayville W.) The Mesozoic and Cenozoic Echinodermata of the United States. U S G S, Mon 54:341 pp, 107 pls (1915)

Clark, W. O.

15 Ground-water resources of the Niles Cone and adjacent areas, Cal. U S G S, W-S P 345:127-168, maps (1915)

18 Ground water for irrigation in the Morgan Hill area, Cal. U S G S, W-S P 400:61-108. maps (1917) (*abst*) Wash Ac Sc, J 8:128-129 (1918)

24 Ground water in Santa Clara Valley, Cal. U S G S, W-S P 519:209 pp, 20 figs, 19 pls (incl maps) (1924)

Clarke, F. A.

77 Petroleum in California. *In* R. W. Raymond Eighth Report on Mineral Resources of the States and Territories west of the Mississippi. 1875:21-22 (1877)

Clarke, F. W.

84 Analysis of Halloysite. U S G S, B 9:12-13 (1884)

84a (and **Chatard**, T. M.) A report of work done in the Washington laboratory... 1883-84. U S G S, B 9: 40 pp, Cal 16 (1884)

89 Report of work done in the Division of Chemistry and Physics mainly during the fiscal year 1886-87. U S G S, B 55:96 pp, California 84-85, 89 (1889)... 1887-88 B 60:174 pp, California 53, 56-67, 75, 155-157 (1890)... 1888-89 B 64:60 pp, California 49 (1890)... 1889-90 B 78:131 pp, California 80-83, 123-124 (1891)... 1890-91 B 90:77 pp, California 39 (1892)

90 A new occurrence of gyrolite. U S G S, B 64:22-23 (1890) Am J Sc (3) 38: 128-129 (1889)

95 Note on garnet from California. Am J Sc (3) 50:76-77 (1895)

97 (and **Hillebrand**, W. F.) Analyses of rocks, with a chapter on analytical methods, laboratory of the United States Geological Survey, 1880 to 1896. U S G S, B 148:306 pp, California 190-229 (1897)

03 Mineral analyses from the laboratories of the United States Geological Survey, 1880-1903. U S G S, B 220:119 pp (1903)

04 Analyses of rocks from the laboratory of the United States Geological Survey, 1880-1903. U S G S, B 228:375 pp (1904)

05 (and **Steiger**, George) On "californite." U S G S, B 262:72-74 (1905)

10 Analyses of rocks and minerals from the laboratory of the United States Geological Survey, 1880 to 1908. U S G S, B 419:323 pp (1910)

Clarke, F. W.—Cont.

14 Water analyses from the laboratory of the United States Geological Survey. U S G S, W-S P 364:40 pp (1914)

24 The composition of the river and lake waters of the United States. U S G S, PP 135:199 pp (1924) (*abst*) Rv Geol et Sci conn 7:212 (1926)

Clarke, Galen.

73 Explorations in the region of Yosemite Valley. Boston Soc N H, Pr 15: 259-261 (1873)

10 The Yosemite Valley; its history, characteristic features, and theories regarding its origin. 108 pp, Nelson L. Salter, Yosemite Valley, Cal (1910)

Claypole, E. W.

91 Continents and deep seas (Mentions Cretaceous in California) (*abst*). G Soc Am, B 2:11 (1891)

00 The earthquake at San Jacinto, December 25, 1899. Am G 25:106-108, pl. (1900)

01 Notes on petroleum in California. Am G 27:150-159 (1901) (*abst*) G Zentralbl 2:418-419 (1902)

01a The Sierra Madre near Pasadena, Cal. (*abst*) J G 9:69-70 (1901) (*abst*) G Soc Am, B 12:494 (1901) G Zentralbl 3: 536 (1903)

Clayton, Joshua E.

64 Remarks on donations of teeth. Cal Ac Sc, Pr 3:171-172 (1868) Am J Sc (2) 43:270 (1865)

70 Earthquakes on Kern River, in the central portion of the Sierra Nevada. Cal Ac Sc, Pr 4:38-40 (1870)

Cleland, Herdman F.

10 North American natural bridges, with a discussion of their origin. G Soc Am, B 21:313-338, California 326-327 (1910); (discussion) 21:765-766 (1910) (*abst*) Science (n s) 32:188 (1910)

Clements, Frederick Edward.

26 (and **Chaney**, R. W.) Principles and methods in Paleo-ecology. Carnegie Inst, Wash, Yr Bk no 25:370-371 (1926)

Clements, Thomas.

30 Structure of Tejon quadrangle. (*abst*) Pan Am G 54:159 (1930)

Cloos, H.

28 (and **Balk**, R.) Primary structure of the Sierra Nevada intrusive in a cross section from Yosemite Valley to Mono Lake, Cal. (*abst*) G Soc Am, B 39:185 (1928)

Cloos, H.—Cont.

28a Bau und Bewegung der Gebirge in Nordamerika, Skandinavien und Mitteleuropa. *In* Fortschritte der Geologie und Palaeontologie, Band 7, Heft 21:87S, 6 Tafeln und 16 Textfiguren (1928)

Cloudman, H. C.

19 (with **Merrill,** F. J. H., and **Huguenin,** E.) San Bernardino County. Cal St M Bur St Mineralogist's Rp 15:775-899 (1919) issued as separate under title Mines and Mineral Resources of San Bernardino County, Tulare County (1916) (*abst*) G Zentralbl 27:394 (1922) (*abst*) Eng Index 1918:325 (1919)

Clute, Walter S.

23 Developments-Maricopa-Sunset field, California. M Oil Bull, 9:1069-1070, 1135 (1923)

25 (and **Perry,** S. S.) Inglewood, the new wonder-field of the Los Angeles Basin may soon lead the state in oil output. Petroleum World (Los Angeles) 10: 28-29 (July, 1925)

26 Notes on the geology of Olinda field, California. Oil Bull, 12, no 9:954-955, 2 figs (September, 1926)

Cohen, E.

01 Das Meteoreisen von Surprise Springs, Bagdad, San Bernardino County, Sud-Californien. Mitt Naturw Ver Griefswald 33:29-33, 1 Taf (1901)

Coho, H. B.

14 Lead. Min Ind,22:340-455, California 441, 442 (1914)... 23:442-467, California 453-454 (1915)... 24:438-455, California 444, 445 (1916)

Colburn, Frona Eunice (Wait).

22 The kingship of Mt. Lassen... 69 pp, il, San Francisco, Cal. Nemo Publishing Company (1922)

Cole, Burt.

03 Storage reservoirs on Stony Creek, California. U S G S, W-S P 86:62 pp, 16 pls (1903)

Collier, Arthur J.

07 Chromite. U S G S, Min Res, Calendar Year 1906:541-542, California 541 (1907)

07a Talc. U S G S, Min Res, Calendar Year 1906:1273-1275 California 1273-1274 (1907)

Collier, J. H.

99 Deep mining at the Utica mine, Angels, Cal. Am I M Eng, Tr 29:835-852 (1900) In California Mines and Minerals (pub by California Miners Association), 97-113 (1899)

Collins, George L.

29 Peter Lassen's Museum. Standard Oil Bull 17, no 2:1-11 (June, 1929)

Collins, W. D.

23 Mineral waters. U S G S, Min Res, Calendar Year 1920:161-166, California 161-163 (1923)... 1921:229-236, California 230-232 (1924)... 1922:207-220, California 208-210, 212 (1925)... 1923:109-124, California 110-111, 115 (1927)

25 (and **Howard,** C. S.) Index of analyses of natural waters in the United States. U S G S, W-S P 560- C : 58-85, California 61-63 (1925) (*abst*) G Zentralbl 32:537 (1925)

Collom, R. E.

17 Bituminous Monterey shales of the Santa Maria district. Cal St M Bur, B 73 (First An Rp State oil and gas supervisor, Fiscal Year 1916-1917):205-211 (1917)

18 Geology of Cat Canyon oil formations. Cal St M Bur, B 82. (Second An Rp State oil and gas supervisor, Fiscal Year 1916-1917):210-219 (1918)

20 (and **McLaughlin,** R. P.) Sixth Annual Report of the State Oil and Gas Supervisor of California, for the Fiscal Year 1920-21. Cal St M Bur (1920-21)

21 The Elk Hills oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 7, no 1:7-19, 4 pls, 2 figs (July, 1921)

21a The Huntington Beach oil field. Cal St M Bur, Summary of Operation, California Oil Fields, An Rp 7, no 5:5-43, 3 pls (Nov, 1921)

21b Seventh Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1921-22. Cal St M Bur (1921-22)

22 Eighth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1922-23. Cal St M Bur (1922-23)

23 Notes on California oil field practice. Am As Petroleum G, B 7:114-130, 3 figs (1923)

23a Oil Field Development Operations. Cal St M Bur, St Mineralogist's Rp 19:33-35, 65-66, 101-102, 174-184 (1923)

23b (and **Bush,** R. D.) Ninth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1923-24. Cal St M Bur (1923-24)

28 Geology of the Santa Maria district. Oil Bull, 14:368 (1928) (*ann*) An Bib Ec G 1:228 (1928) Eng Index 1928:1376 (1929)

29 Oil accumulation and structure of Santa Maria district, California. *In* Str Typ Am Oil Fields 2: 18-22 (*ann*) An Bib Ec G 2: 413 (1929) (*abst*) G Zentralbl 41: 434-435 (1930)

Colonna, B. A.

80 Nine days on the summit of Shasta. The Californian 1, no 3:242-248 (March 1880)

Colony, R. J.

30 Mining geology in 1929. Review in changes of geologic thought concepts of the origin, nature, and structure of ore deposits and of their field distribution. M Metal 11:23-25 (1930)

Commonwealth Club.

26 The Colorado River problem. Transactions of the Commonwealth Club of California 21, no 2, 100 pp (1926)

Comstock, Theodore Bryant (1849-1915).

02 Geological notes (subsidence and elevation in California and later geological history). S Cal Ac Sc, B 1:74-77 (1902)

Condit, D. Dale.

30 Age of the Kreyenhagen shale in Cantua Creek-Panoche Creek District, California. J Paleontology 4:259:262 (1930)

Condon, Thomas (1822-1907).

02 The two islands... 211 pp, Portland, Oregon (1902)

10 Oregon geology; a revision of "The two islands" Ed by Ellen Condon McCornack. 187, 27 pp, il, Portland, Oregon (1910)

Cone, E. F.

18 Iron. Min Ind, 26:320-372, California 322 (1918)... 27:351-410, California 354 (1919) 28:337-392, California 339 (1920)... 31:361-415, California 363 (1923)... 32:332-380, California 335 (1924)... 34:372,423, California 374-375 (1926)

24 Manganese. Min Ind, 32:433-444, California 434 (1924)

25 (and **Koon**, Sidney G.) Iron. Min Ind, 33:368-421, California 370-371 (1925)

Conkling, Alfred Ronald.

77 Geological report on the portions of western Nevada and eastern California... *In* Wheeler, G. M., Annual report upon the geographical survey west of the one hundredth meridian... U S (War Dp), Chief Eng, An Rp 1877 (U S, 45th cong, 2d sess, H Ex, Doc 1, pt 2, v 2, pt 2), App NN:1285-1295 (1877)

78 Geological report on portions of western Nevada and eastern California including part of the Sierra Nevada Range, 1877. *In* Wheeler, G. M., Annual report... surveys west of the 100th meridian...:167-183 (1878); also in U S (War Dp), Chief Eng, An Rp 1878 (U S, 45th Cong, 3d sess, H Ex Doc 1, pt 2, v 2, pt 3), App NN:1589-1605 (1878)

Conkling, Alfred Ronald—Cont.

78a Report on the lithology and mineralogy of portions of Nevada and California, 1877. *In* Wheeler, G M, Annual report... surveys west of the 100th meridian...:184-185 (1878); also in U S (War Dp), Chief Eng, An Rp 1878 (U S, 45th Cong, 3d sess, H Ex Doc 1, pt 2, v 2, pt 3), App NN:1606-1607 (1878)

Conkling, Harold.

27 San Gabriel investigation, report for the period July 1, 1923, to September 30, 1926. Dp Pub Works, Division of Water Rights, B 5:640 pp, 20 pls (1927) G Zentralbl 38:183-184 (1928)

Conrad, Timothy Abbott (1803-1877).

38 Fossils of the Tertiary formations of the United States... xvi, 86 pp, il, Phila (1838) Republished by W. H. Dall, xviii, 136 pp, il, Phila (1893)

39 Notes on American geology (with remarks by the editors). Am J Sc 35:237-251 (1839)

52 Notes on shells, with descriptions of new species. Ac N Sc Phila, Pr 6:199-200 (1852) U S G S, P P 59:158 (1909)

53 Descriptions of new fossil shells of the United States. Ac N Sc Phila, J (2) 2:273-276, il (1853) U S G S, P P 59:159-161 (1909)

54 Descriptions of new fossil shells of the United States. Ac N Sc Phila, J (2) 2:299-300 (1854)

55 Description of eighteen new Cretaceous and Tertiary fossils, etc. Ac N Sc Phila, Pr 7:265-268 (1855)

55a Report on the fossil shells collected in California by W. P. Blake, geologist of the expedition under the command of Lieutenant R. S. Williamson. U S, Pacific R R Expl (U S, 33d Cong, 1st sess, H Ex Doc 129) Appendix to the preliminary geological report of W. P. Blake: 5-20 (1855) *In* part, Am J Sc (2) 21:268-270 (1856) U S G S, P P 59:163-171 (1909) N Jb 1857:241-244 (1857)

55b Note on the Miocene and post-Pliocene deposits of California, with descriptions of two new fossil corals. Ac N Sc Phila, Pr 7:441 (1855) U S G S, P P 59:172 (1909)

56 Description of the Tertiary fossils collected on the survey (Williamson's survey in California and Oregon). U S Pacific R R Expl (U S, 33d Cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 6 pt 2:69-73, il (1856) U S G S, P P 59:176-179 (1909)

56a Report on the paleontology of the survey (Parke's surveys in California).

Conrad, Timothy Abbott—Cont.

U S, Pacific R R Expl (U S, 33d Cong, S Ex Doc 78 and H Ex Doc 91) 7 pt 2:189-196, il (1856) U S G S, P P 59:180-185 (1909)

56b Descriptions of three new genera; twenty-three new species middle Tertiary fossils from California, and one from Texas. Ac N Sc Phila, Pr 8:312-316 (1856) U S G S, P P 59:173-175 (1909) (*abst*) N Jb 1857:853-854 (1857)

57 Descriptions of Cretaceous and Tertiary fossils. *In* Emory, W. H., Report on the United States and Mexican Boundary survey... (U S, 34th Cong, 1st sess, S Ex Doc 108 and H Ex Doc 135), v 1, pt 2:141-174, il (1857)

57a Descriptions of the fossil shells (Williamson's reconnaissance in California). U S, Pacific R R Expl (U S, 33d Cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 5 pt, 2:317-329, il (1857)

65 Observations on certain Eocene fossils described as Cretaceous by Mr. W. M. Gabb... Am J Conch 1:362-365 (1865)

66 Further observations on Mr. Gabb's Paleontology of California. Am J Conch 2:97-100 (1866)

67 ... on the Cretaceous rocks of California. Am J Sc (2) 44:376-377 (1867)

70 On the mixture of Cretaceous and Eocene fossils. Am J Sc (2) 49:275 (1870)

77 Note on a cirripede of the California Miocene, with remarks on fossil shells. Ac N Sc Phila, Pr 1876:273-275 (1877) (*abst*) G Rec 1877:304 (1880)

Conwentz, H.

78 Ueber ein tertiäres Vorkmmen cypressenartiger Hölzer bei Calistoga in Californien. N Jb 1878:800-813 il (*abst*) G Rec 1878:370-371 (1882)

78a *Cupressinoxylon taxodiodes*, ein vorweltiches cypressenähnliches Holz aus Californien. Naturf Ges Danzig, Schrift (N F) 4 H 3:122-124 (1878) Am J Sc (3) 18:152 (1879)

Cook, Charles W.

22 A new occurrence of ilsemannite (Gibson, Shasta County, California). Am J Sc (5) 4:50-52 (1922) Min Absts 2:42 (1923)

Cooke, George.

48 Report of Lieut.-Col. P. St. George Cooke of his march from Santa Fe, New Mexico, to San Diego, upper California, 30th Cong, 1st sess, Ex Doc 41:551-563 (1848)

49 Journal of the march of the Mormon Battalion of Infantry Volunteers, under the command of Lieut.-Col. P. St. George Cooke, from Santa Fe, New Mexico, to San Diego. California. 30th Cong, spec sess, Senate Doc 2 (1849)

Coons, A. B.

28 (and **Hopkins**, G. R.) Petroleum. U S B M, Min Res 1925:311-384, California 311-315, 316-317, 319-321, 323-324, 344, 347-348, 350-351, 353, 356, 364-367, 369, 374, 376, 379, 381 (1928)... 1926:335-417, California 335-336, 338-342, 344-345, 347-350, 374-375, 377-378, 380, 383, 393-397, 399, 400, 406, 409-412, 415, 417 (1929)... 1927:511-593, California 511-514, 516-520, 522-528, 554, 555, 557-558, 560, 562-563, 571-578, 584, 587, 590-591 (1929)... 1928:615-703, California 615, 616, 617, 618, 620, 623-624, 626, 628-629, 631, 633-637, 699 (1930)... 1929:421-521, California 421, 422, 423, 424, 430, 431, 432, 433, 434, 435, 437, 439-444, 505 (1931)

28a (and **Hopkins**, G. R.) Asphalt and related bitumens. U S B M, Min Res, Calendar Year 1925:29-37, California 30-31 (1928)... 1926:51-69, California 51-52, 54-56, 58-59 (1929)... 1927:67-80, California 68, 70-72, 74-75 (1928)...

Coons, A. T.

01 Granite. U S G S, Min Res, Calendar Year 1900:661-692, California 663, 665-666 (1901)... 1901:641-670, California 650-654 (1902)... 1902:665-701, California 675, 678-680 (1904)... 1903:755-789, California 763-769 (1904)... 1904:801-841, California 811-818 (1905)... 1905:1021-1067, California 1031-1036, 1038 (1906)... 1906: 1007-1041, California 1017-1020, 1022-1024 (1907)... 1907:563-605, California 577-579, 581-583 (1908)... 1908:533-579, California 547, 549, 551-552 (1909)... U S B M, Min Res, 1925:223-254, California 231-233 (1928)... 1926:211-243, California 219-221 (1929)... 1927:209-245, California 217-219 (1929)

01a Limestone. U S G S, Min Res, Calendar Year 1900:661-692, California 686-688 (1901)... 1901:641-670, California 667, 669-670 (1902)... 1902:665-701, California 696-701 (1904)... 1903:755-789, California 784-789 (1904)... 1904:801-841 California 834-840 (1905)... 1905:1021-1067, California 1057-1061, 1063 (1906)... 1906: 1007-1041, California 1035-1036, 1038-1040 (1907)... 1907:563-605, California 597, 602-605 (1908)... 1908:533-579, California 571, 574-577 (1909)... U S B M, Min Res, 1925: 223-254, California 239-240, 242 (1928)... 1926:211-243, California 227-228, 230 (1929)... 1927:209-245, California 230-232 (1929)

01b Marble. U S G S, Min Res, Calendar Year 1900:661-692, California 682-684 (1901)... 1901:641-670, California 664-665 (1902)... 1902:665-701, California 692-693 (1904)... 1903:755-789, California 781-782 (1904)...

Coons, A. T.—Cont.

1904:801-841, California 831-833 (1905)... 1905:1021-1067, California 1051-1054 (1906)... 1906:1007-1041, California 1031-1033 (1907)... 1907:563-605, California 593-596 (1908)... 1908:533-579, California 561, 563, 565-567 (1909)... U S B M, Min Res, 1925:223-254, California 237 (1928)... 1926:211-243, California 225 (1929)... 1927:209-245, California 224, 225 (1929)

01c Sandstone. U S G S, Min Res, Calendar Year 1900:661-692, California 670, 672-673 (1901)... 1901:641-670, California 656, 658-659 (1902)... 1902:665-701, California 681, 684-685 (1904)... 1903:755-789, California 770-775 (1904)... 1904:801-841, California 820-824 (1905)... 1905:1021-1067, California 1042-1047 (1906)... 1906:1007-1041, California 1025-1026, 1028-1030 (1907)... 1907:569-605, California 586-588, 591-592 (1908)... 1908:533-579, California 555-556, 559-560 (1909)... U S B M, Min Res, 1925:223-254, California 248-250 (1928)... 1926:211-243, California 237-239 (1928)... 1927:209-245, California 239-241, 243-244 (1929)

01d Slate. U S G S, Min Res, Calendar Year 1900:661-692, California 677-678, 680 (1901)... 1901:641-670, California 660-661 (1902)... 1902:665-701, California 687-689 (1904)... 1903:755-789, California 777-778 (1904)... 1904:801-841, California 826-827, (1905)... 1905:1011-1020, California 1011-1013, 1018 (1906)... 1906:1001-1005, California, 1001-1003 (1907)... 1907:557-562, California 557-561 (1908)... 1908:521-532, California 521, 523, 525 (1909)... 1909:557-568, California 558, 561-563 (1911)... 1910: 627-641, California 633-635 (1911)... 1911: 723-739, California 723, 726, 729-732 (1912)... 1912:675-692 California 683-684, 686 (1913)... 1913:71-84, California 75, 78 (1914)... 1914: 79-92, California 79, 81, 86 (1916)... U S B M, Min Res, 1926:99-107, California 101, 103 (1929)... 1927:81-90 California 83

01e Trap rock. U S G S, Min Res, Calendar Year 1900:661-692, California 665-666 (1901)... 1901:641-670, California 654 1902)... 1902:665-701, California 669 (1904)... 1903:755-789, California 769 (1904)... 1904: 801-841, California 805 (1905)... 1905:1021-1067, California 1037 (1906)... 1906:1007-1041, California, 1023 (1907)... 1907:563-605, California 565, 584-586 (1908)... 1908:533-579, California 553-554 (1909)... U S B M, Min Res, 1925:223-254, California 235-236 (1928)... 1926:211-243, California 223-224 (1929)... 1927:209-245, California 221-222 (1929)

01f Value of various kinds of building stones. U S G S, Min Res, Calendar Year 1900:661-692, California 662 (1901)... 1901: 641-670, California 644, 647 (1902)... 1902: 665-701, California 669-670, 673 (1904)... 1903:755-789, California 756-758, 761-762 (1904)... 1904:801-841, California 804, 808-809 (1905)... 1905:1021-1067, California 1023-1025, 1028-1029 (1906)... 1906:1007-1041, California 1007, 1010-1012, 1014-1015 (1907)... 1907:563-605, California 565, 568-570, 574 (1908)... 1908:533-579, California 535, 539-541, 544 (1909)... U S B M, Min Res, 1925:223-254, California 226, 251-253 (1928)... 1926:211-243, California 215, 240-242 (1929)... 1927:209-245, California 213 (1929)... 1928:293-335 California 297, 302, 303, 304, 306, 308, 309-310, 315, 316, 317, 324, 325, 326, 328, 329 (1930)

04 Sand and gravel. U S G S, Min Res, Calendar Year 1903:1171-1178, California 1172 (1904)... 1904:1147-1155, California 1149-1150 (1905) 1905:1007-1010, California 1010 (1906)

07 Salt. U S G S, Min Res, Calendar Year 1906:1091-1100, California 1093-1095 (1907)... U S B M, Min Res, 1925:93-107, California 94-95, 100-101, 107 (1928)... 1926:71-80, California 72-73, 78 (1929)... 1927:99-112, California 100-101, 105-106 (1928)... 1928: 113-126 California 115, 120 (1929)

21 (and **Loughlin, G. F.**) Slate. U S G S, Min Res, Calendar Year 1918:267-282, California 272, 274 (1921)... 1919:369-375, California 371 (1922)... 1920:135-143, California 136 (1923)... 1922:165-175, California 175 (1925)... U S B M, Min Res, 1924:151-160, California 154 (1927)

22 (and **Beach, L. M.**) Diatomaceous earth. U S G S, Min Res, Calendar Year 1919:381-386, California 382, 385 (1922)... 1920:155-159, California 156 (1923)... 1921: 15-18, California 15 (1924)... 1922:221-225. California 221 (1925)

22a (and **Beach, L. M.**) Pumice. U S G S, Min Res, Calendar Year 1919:381-386, California 382 (1922)... 1920:155-159, California 156 (1923)... 1921:15-18, California 15 (1924)

22b (and **Beach, L. M.**) Grinding pebbles. U S G S, Min Res, Calendar Year 1919:381-386, California 382 (1922)... 1920: 155-159, California 156 (1923)... 1921:15-18, California 15 (1924)... 1922:221-225, California 221 (1925)

22c (and **Loughlin, G. F.**) Granite. U S G S, Min Res, Calendar Year 1919: 419-455, California 426, 429-430 (1922)... 1920:225-262, California 231, 234-235 (1923)... 1921:175-213, California 186-188 (1924)... 1922:261-344, California 273, 274-275, 297-299 (1925)... 1923:205-234, California 212-214 (1927)... U S B M, Min Res, 1924:267-304, California 275, 278, 279 (1927)

22d (and **Loughlin, G. F.**) Basalt and related rocks. U S G S, Min Res, Calendar Year 1919:419-455, California 431, 433 (1922)... 1920:225-262, California 236, 238 (1923)... 1921:175-213, California 189-190 (1924)... 1922:261-344, California 300-

Coons, A. T.—Cont.

301 (1925)... 1923:205-234, California 216-217 (1927)... U S B M, Min Res, 1924:267-304, California 281-282 (1927)

22e (and **Loughlin**, G. F.) Marble. U S G S, Min Res, Calendar Year 1919: 419-455, California 434 (1922)... 1920:225-262, California 239 (1923)... 1921:175-213, California 192-193 (1924)... 1922:261-344, California 303-304 (1925)... 1923:205-234, California 218 (1927)... U S M B, Min Res, 1924:267-304, California 283 (1927)

22f (and **Loughlin**, G. F.) Limestone. U S G S, Min Res, Calendar Year 1919: 419-455, California 435, 442, 444 (1922)... 1920:225-262, California 240, 246, 248 (1923)... 1921:175-213, California 198-200 (1924)... 1922:261-344, California 310-312 (1925)... 1923:205-234, California 220-222 (1927)... U S M B, Min Res, 1924:267-304, California 285, 286, 288 (1927)

22g (and **Loughlin**, G. F.) Sandstone. U S G S, Min Res, Calendar Year 1919: 419-455, California 446, 450-451 (1922)... 1920:225-262, California 252, 255-256 (1923)... 1921:175-213, California 207-209 (1924)... 1922:261-344, California 322-324, 340 (1925)... 1923:205-234, California 227-228 (1927)... U S B M, Min Res, 1924:267-304, California 293-295 (1927)

22h (and **Loughlin**, G. F.) Building stone. U S G S, Min Res, Calendar Year 1919:419-455, California 423, 454 (1922)... 1920:225-262, California 228, 258, 259, 262 (1923)... 1921:175-213, California 179, 211, 213 (1924)... 1922:261-344, California 267, 340, 342, 344 (1925)... 1923:205-234, California 208, 230-232, 234 (1927)... U S B M, Min Res, 1924:267-304, California 271, 296-298 (1927)

23 (and **Loughlin**, G. F.) Calcareous marl. U S G S, Min Res, Calendar Year 1920:177-188, California 187 (1923)... 1921: 155-168, California 164 (1924)

27 (and **Richardson**, G. B.) Petroleum, U S B M, Min Res, Calendar Year 1924: 385-458, California 385, 390-391, 400, 402, 414-415, 424-425, 428, 432-433, 445-448, 452, 454, 456-457 (1927)

28 Calcium chloride. U S B M, Min Res, Calendar Year 1927:99-112, California 111 (1928)

29 (and **Stoddard**, B. H.) Diatomaceous earth. U S B M, Min Res, Calendar Year 1926:245-253, California 246, 250 (1929)... 1927:91-98, California 92, 96 (1928)

29a (and **Stoddard**, B. H.) Pebbles for grinding. U S B M, Calendar Year 1926: 245-253, California 246, 250 (1929)... 1927: 91-98, California 92, 96 (1928)

29b (and **Stoddard**, B. H.) Pumice. U S B M, Min Res, Calendar Year 1926:245-253, California 246, 250 (1929)... 1927:91-98, California 92, 96 (1928)

Coons, A. T.—Cont.

29c Potash. U S B M, Min Res, Calendar Year 1926:119-125, California 120 (1929)... 1927:43-50, California 44 (1928)... 1928:89-96, California 90 (1929)

29d (and **Bowles**, Oliver) Slate. U S B M, Min Res, Calendar Year 1928:41-53, California 52 (1929)

Cooper, Augustus S.

93 Red shales as connected with the genesis of bitumen in California. Sc Am Sup, 36, 939:15002-15003 (December 30, 1893)

93a The genesis of petroleum and asphalt in California. Sc Am Sup 36:14738-14740 (1893)

98 A bituminous rock deposit in Santa Barbara Co, Cal. Eng M J 66:278-279 (1898)

98a Southern California petroleum. M Sc Press 77:372 (1898)

99 The genesis of petroleum and asphaltum in California. M Sc Press, 78: 124, 149, 182, 205, 236, 264, 289-290, 320, 344, 377, 401-402, 432, 460 (1899) Cal St M Bur, B 16:3-66 (1899) (Review) Inst M Eng, Tr 19:502 (1899-1900) Also in California mines and minerals (pub by California Miners' Association):114-174, San Francisco, Cal (1899) (*abst*) Eng Index 3:685 (1901)

99a Phenomena attending the accumulations of bitumen. M Sc Press 79:632-633, 665, 691, 721 (1899) Cal St M Bur, B 16: 66-82 (1899)

00 Characteristics of California petroleum. M Sc Press 81:96 (1900) (*abst*) Eng Index 3:685 (1901)

00a Prospecting for petroleum in California. Eng M J 69:556 (1900) (*abst*) Eng Index 3:685 (1901)

01 The origin and occurrence of petroleum in California. Min Ind 9:505-509 (1901) (*abst*) G Zentralbl 9:353 (1907)

06 The (San Francisco) earthquake explained. M Sc Press 92:401-402 (1906) Reprinted in After Earthquake and Fire: 161-170, San Francisco (1906)

11 Natural gas in the great valley of California. California Derrick, 3, no 8:9 (1911)

11a Permanency of natural gas in California. California Derrick, 3, no 9:12-13, 2 figs (1911)

Cooper, James Graham (1830-1902).

71 Catalogue of the invertebrate fossils of the western slope of the United States, Part 2. Cal G S, 30 pp, San Francisco (1871)

74 Abstract of paper on the discovery of lignite in Amador County and other

Cooper, James Graham—Cont.

counties in the foothills of the Sierra Nevada. *In* Raymond Statistics of mines and mining in the States and Territories west of the Rocky Mountains. (6th An Rp) 75-76 (1874)

74a Note on Tertiary formation of California. Cal Ac Sc, Pr 5:422 (1874)

74b Remarks on California coal. Cal Ac Sc, Pr 5:384-386 (1874) (*abst*) G Rec 1875:116 (1877) N Jb 1876:960-962 (1876)

74c California in the Miocene epoch. Cal Ac Sc, Pr 5:401-404 (1874) M Sc Press 29:265 (1874) (*abst*) G Rec 1875:117 (1877)

74d California during the Pliocene epoch. Cal Ac Sc, Pr 5:389-392 (1874) M Sc Press 29:232 (1874) (*abst*) G Rec 1875:116 (1877)

75 The age of the Tejon group, California. Cal Ac Sc, Pr (1) 5:419-421 (1875) Am J Sc (3) 14:321-322 (1877)

75a The Eocene epoch in California. Are there really no Eocene strata? Cal Ac Sc, Pr (1) 5 pt 3:419-421 (1875) M Sc Press 29:345 (1874) (*abst*) G Rec 1875:117 (1877)

76 On shells of the West Slope of North America. Cal Ac Sc, Pr 6:14-27 (1876) (*abst*) G Rec 1878:354 (1882)

76a The origin of California land-shells. Cal Ac Sc, Pr 6:12–14 (1876) (*abst*) G Rec 1878:354 (1882)

79 California (geological formation). Macfarlane's Am Geol Rwy Guide, pp 169-172 (1879)

86 On fossil and subfossil land shells of the United States... Cal Ac Sc, B (1) no 4:235-255 (1886)

87 West coast Pulmonata, fossil and living. Cal Ac Sc, B 2 nos 7, 8:355-376, 497-514 (1887); Pr (2) 1:11-24 (1888)

88 Catalogue of California fossils. Cal St M Bur, An Rp 7:221-308 (1888)

90 The value of fossils as indications of important mineral products. Cal St M Bur, An Rp 9:284-286 (1890)

94 Catalogue of Californian fossils (parts 2—bibliography and references; 3—additions to the catalogue of California fossils obtained since 1888; 4—remarks on the fossils collected by Dr. S. Bowers, in Orange County; 5—descriptions and figures of new species of Cretaceous and Cretaceous B (or Eocene) fossils of California, with notes on Tertiary species). Cal St M Bur, B 4:65 pp, il, Sacramento (1894)

94a On some Pliocene fresh-water fossils of California. Cal Ac Sc, Pr (2) 4:166-172. il (1894)

97 On some new Cretaceous (and Eocene?) Mollusca of California. Cal Ac Sc, Pr (2) 6:330-337, il (1897)

Cooper, K. F.

05 An example of the legitimate use of water for domestic purposes. Am Soc Civil Eng, Pr 31:475-478 (1905)

Cope, Edward Drinker (1830-1897).

72 On the extinct whale from California. Ac N Sc Phila, Pr 1872:29-30 (1872)

79 The cave bear of California. Am Nat 13:791 (1879) An Mag N H (5) 5:260-261 (1880) Am J Sc (3) 19:155 (1880)

80 Observations on fossil vertebrates from California. Am Nat 14:62 (1880)

80a Pliocene man. Am Nat 14:60-62 (1880)

91 The Californian cave bear. Am Nat 25:997-999, il (1891)

95 The antiquity of man in North America. Am Nat 29:593-599 (1895)

Copp, W. W.

23 (and **Godde**, H. A.) Report on southeastern portion of Thirty-five anticline, Sunset oil fields, Kern County, California. Cal St M Bur, Summary of operations, California Oil Fields, 9, no 5:5-33, 7 pls (incl maps) (November, 1923)

27 (and **Bowes**, Glenn H.) Seal Beach oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 13, no 3:5-16, 8 pls (Sept, 1927) (*abst*) Eng Index 1928:1376 (1929)

27a Seal Beach oil field. M Metal 8, no 246:258-261 (June, 1927) (*abst*) Eng Index 1927:582 (1928)

Corey, W. H.

28 Fauna and stratigraphy of Vaqueros formation in Ventura and Santa Barbara counties, California. Pan Am G, 49, no 4:319 (1928) (*abst*) G Soc Am, B 40:261 (1929) (*abst*) Biol Absts 4:1867 (1930)

29 Fauna and stratigraphy of the Vaqueros formation in Ventura and Santa Barbara counties, California. (*abst*) G Soc Am, B 40:261 (1929)

Corning, Frederick G.

86 The gold quartz mines of Grass Valley, Nevada County, Cal. Eng M J 42:418-420 (1886)

Cornwall, Neill C.

15 Occurrence of mammal remains in the asphalt beds of McKittrick, California. (*abst*) G Soc Am, B 26:167-168 (1915)

Cosby, Stanley W.

23 (with **Carpenter**, E. J., **Dean**, Walter C., **Smith**, Alfred, **Kocher**, A. E., and **Wank**, M. E.) Soil survey of the Brawley area, California. (advance sheets) U S

Cosby, Stanley W.—Cont.

Dp Agr, Bur Soils, 1920:641-716, 5 pls, 1 fig, 2 maps (1923)

24 (and **Watson**, E. B.) Soil survey of the Big Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1920: 1005-1032, pls 11-13, fig 31, 1 map (1924)

24a (with **Kocher**, A. E.) Soil survey of the Victorville area, California. (advance sheets) U S Dp Agr, Bur Soils, 1921: 623-672, pls 19-22, figs 24, 25, 1 map (1924)

25 (with **Watson**, E. B., and **Smith**, Alfred) Soil survey of the Eureka area, California. (advance sheets) U S Dp Agr Bur Soils, 1921:851-881, pl 29, fig 30, 1 map (1925)

27 (with **Watson**, E. B.) Soil survey of the Gilroy area, California. (advance sheets) U S Dp Agr, Bur Soils, 1923: 599-642, pls 26-28, figs 19, 20, 1 map (1927)

27a (and **Watson**, E. B.) Soil survey of the Hollister area, California. (advance sheets) U S Dp Agr, Bur Soils, 1923:643-681, pls 29-32, figs 21-23, 1 map (1927)

28 (and **Carpenter**, E. J.) Soil survey of the Lancaster area, Cal. U S Dp Agr, Bur Soils, Field Operations for 1922, Rp 24:663-720, pls 20-21, map (no 20), (1928)

28a (with **Watson**, E. B., and **Harper**, W. G.) Soil survey of Auburn area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1924, no 15:38 pp, 3 pls, 1 fig, 1 map (1928)

29 (and **Carpenter**, E. J.) Soil survey of the Salinas area, California. U S Dp Agr, Bur Chem and Soils, Ser 1925, no 11:1-80, 3 pls, 1 fig, 1 map (1929)

29a (with **Watson**, E. B., **Glassey**, T. W., and **Storie**, R. Earle) Soil survey of the Chico area, California. U S Dp of Agr, Bur Chemistry and Soils, Ser 1925, no 4:48 pp, 2 pls, 1 fig, 1 map (1929)

Cottrell, K. W.

22 Asphalt and related bitumens. U S G S, Min Res, Calendar Year 1919:279-297, California 281 (1922)... 1920:45-53, California 46 (1923)... 1921:69-75, California 69-70 (1924)... 1922:7-13, California 7, 8 (1925)... 1923:135-142 California 135, 137, 141-142 (1926)... U S B M, Min Res, 1924: 161-169, California 162-163 (1927)

22a Peat. U S G S, Min Res, Calendar Year 1919:41-46, California 45-46 (1922)... 1920:41-43, California 42 (1923)... 1921:13-14, California 13 (1924)... 1922:5-6, California 5-6 (1925)... 1923:69-70, California 69-70 (1926)... U S B M, Min Res, 1924:11-12, California 11 (1927)

24 Calcium chloride. U S G S, Min Res, Calendar Year 1921:123, California 123 (1924)... 1922:29, California 29 (1925)... 1923:134, California 134 (1926)... U S B M, Min Res, 1924:149, California 149 (1927)

24a Gypsum. U S G S, Min Res, Calendar Year 1921:89-96, California 90, 94

Cottrell, K. W.—Cont.

(1924)... 1922:133-139, California 134 (1925)... 1923:63-68, California 63-64, 67-68 (1926)... U S B M, Min Res, 1924:231-240, California 232 (1927)

24b Salt. U S G S, Min Res, Calendar Year 1921:117-123, California 118-119 (1924)... 1922:23-29, California 23-25 (1925)... 1923:125-134, California 125-127 (1926)... U S B M, Min Res, 1924:141-149, California 142-143 (1927)

County Miners' Association.

99 El Dorado County's Mines. *In* California mines and minerals (pub by California Miners' Association): 305-318, San Francisco, Cal (1899)

Cowan, John L.

10 Tourmaline in California. M Sc Press, 100:864-865 (1910)

Craddock, W. N.

24 The Ventura Avenue oil field, Ventura (avenue) field. Petroleum World (Los Angeles) 10:66, 110 March, 1925)

25 Notes on the geology of the Ventura (avenue) field. Petroleum World (Los Angeles) 10:66, 110 (March, 1925)

Crafts, H. A.

06 Some features of the great earthquake. Sc Am, 94:383 (1906)

Craig, E. K.

29 (and **Hudson**, F. S.) Geologic age of the Modelo formation. Am As Petroleum G, B 13:509-518 (1929), (*abst*) Rev Geol et Sci conn 10:306 (1929) (*ann*) An Bib Ec G 2:128 (1929) (*abst*) G Zentralbl 40:336 (1929)

Crandall, Roderic.

07 The Cretaceous stratigraphy of the Santa Clara Valley region in California. Am J Sc (4) 24:33-54 (1907)

07a The geology of the San Francisco Peninsula. Am Ph Soc, Pr 46:3-58, maps (1907) (*abst*) G Zentralbl 11:501 (1908)

Cranston, Robert E.

15 Gold dredging in 1914. Eng M J 99: 100-101 (1915)

Crawford, George W.

50 Report of the Secretary of War, communicating information in relation to the geology and topography of California and Oregon... of part of the Sierra Nevada... Serial 558 (in two parts), pt 1, 127 pp; pt 2, 37 pp, 9 pls, 3 maps (Washington, 1850)

Crawford, James J.

94 Twelfth report of the State mineralogist (second biennial), two years

Crawford, James J.—Cont.

ending September 15, 1894. Cal St M Bur, Rp 12:1-412, maps, Sacramento (1894)

96 Thirteenth report (third biennial) of the State mineralogist, for the two years ending September 15, 1896. Cal St M Bur: 726 pp, map, Sacramento (1896)

Credner, Hermann.

66 Beschreibung von Mineralvorkommen in Nordamerika. Die älteren Goldseifen (deep placers) am Yuba River in Californien. Berg-u Hüttenm Ztg 25:209-210, 221-223 (1866)

Crickmay, Colin H.

25 A note on two of Hyatt's Liassic ammonites. Cal Ac Sc, Pr (4) 14:77-81, 1 pl (1925)

25a (and **Hertlein,** Leo G.) A summary of the nomenclature and stratigraphy of the marine Tertiary of Oregon and Washington. Am Ph Soc, Pr 64:224-282 (1925)

25b The discovery of the prosiphon in Cretaceous ammonites from California, with remarks upon the function of the organ. Am J Sc (5) 9:229:232, 3 figs (1925) G Zentralbl 40:114 (1929)

27 On *Beudanticeras breweri* and *Colobocerас stantoni*. Am J Sc (5) 13:503-516, 10 figs (1927)

28 Geology of Deadman Island, California. Pan Am G, 49, no 4:303 (1928)

29 Revision of the geology of Deadman Island, California. (*abst*) G Soc Am, B 40:164 (1929)

29a The anomalous stratigraphy of Deadman's Island, California. J G 27:617-638 (1929) (*abst*). Rev Geol et Sci conn 10:410 (1929) (*abst*) G Zentralbl 41:104-105 (1930)

29b On a new pelecypod *Calyptogena gibbera*. Canadian Field Naturalist, 43:5 (1929)

30 Geology of Mt. Jura, California. (*abst*) Pan Am G 54:159 (1930)

Cronise, Titus Fey.

68 The natural wealth of California. San Francisco, New York, H. H. Bancroft & Co. xvi, 696 pp (1868)

Crossfield, A. S.

14 (and **Allen,** I. C., **Jacobs,** W. A., and **Matthews,** R. R.) Physical and chemical properties of the petroleums of Cal. U S B M, Tech P 74:38 pp (1914)

Crossman, James H.

89 Northern counties of California. M Sc Press 58:374, 414, 454 (1889)... 59:2, 42, 90-91, 123 (1889)

90 San Bernardino County. Cal St M Bur, An Rp 9:214-239 (1890)

Crossman, James H.—Cont.

90a Iron in San Bernardino County. Cal St Mineralogist's An Rp 9:235-236 (1890) Also quoted in mines and mineral resources of San Bernardino and Tulare counties: 45 (1917) Cal St Mineralogist's Rp 15:819 (1917)

90b San Bernardino County. M Sc Press 61:19, 69, 84, 104, 120, 136, 159, 168, 185, 201, 217, 233, 248, 266, 282, 299, 315, 330, 347, 362, 379, (1890)... 62:2, 18, 50, 66, (1891)

Cruess, William V.

14 Comparison of the oysters of the lower and upper horizons of the Miocene of the Muir syncline. (*abst*) G Soc Am, B 25:154 (1914)

Cumenge, E.

98 (with **Robellaz,** F.) L'ór dans la nature (Premier fascicule) 106 pp California 96-98 (Paris 1898)

Cumming, George A.

30 San Andreas rift and adjacent features near Redlands. (*abst*) Pan Am G 54:74 (1930)

Cummings, Uriah.

99 Cement. U S G S, An Rp 20, pt 6:547-550, California 549 (1899)

Cunningham, George M.

26 Were diatoms the chief source of California oil? (with discussion by Howard W. Kitson) Am As Petroleum G, B 10:709-721 (1926) (*abst*) G Zentralbl 38:420 (1929)

26a The Wheeler Ridge oil field, Kern County, California. Am As Petroleum G, B 10:495-501, 2 figs (1926) (G Zentralbl 38:405 (1929) (*abst*) Eng Index 1926:534 (1927)

27 (and **Hardy,** Norman) Notes on geology and status of development of Seal Beach and Alamitos areas, California. Am As Petroleum G, B 11:870-873 (1927)

Cushman, Joseph Augustine.

25 (and **Hughes,** Donald D.) Some later Tertiary Cassidulinas of California. Cushman Lab Foraminiferal Research Contr 1, sec 5:11-16, 1 pl (1925) (*abst*) G Zentralbl 34:235 (1926)

25a Three new species of *Siphogenerina* from the Miocene of California. Cushman Lab Foraminiferal Research Contr 1, sec 2:2-3 (1925) G Zentralbl 34:234 (1926)

25b *Siphogenerina hughesi*, a new species from California. Cushman Lab Foraminiferal Research Contr 1, sec 9:36 (1925) (*abst*) G Zentralbl 34:236 (1926)

25c Some Textulariidae from the Miocene of California. Cushman Lab For-

Cushman, Joseph Augustine—Cont.

aminiferal Research Contr 1, sec 8:29-34, 1 pl (1925) (*abst*) G Zentralbl 34:235 (1926)

26 Miocene species of Nonionina from California. Cushman Lab Foraminiferal Research Contr 1, sec 21:89-91, 1 pl (1926) (*abst*) G Zentralbl 34:237 (1926)

26a Some Pliocene Bolivinas from California. Cushman Lab Foraminiferal Research Contr 2, sec 29:40-46, 1 pl (1926) (*abst*) G Zentralbl 36:411-412 (1928)

26b Foraminifera of the typical Monterey of California. Cushman Lab Foraminiferal Research Contr 2, sec 30:53-66, 3 pls (1926) (*abst*) G Zentralbl 36:407-408 (1928)

26c (and **Stewart**, Roscoe E.) A new *Plectofrondicularia* from the Pliocene of California. Cushman Lab Foraminiferal Research Contr 2, sec 28:39 (1926) (*abst*) G Zentralbl 36:412-413 (1928)

26d Foraminifera of the genera *Siphogenerina* and *Pavonina*. U S Nat Mus, Pr 67, art 25:24 pp, 6 pls (1926) (*abst*) Rv Geol et Sci conn 8:251 (1927)

27 Phylogenetic studies of the foraminifera. Part 1: Am J Sc (5) 13:315-326, 2 figs (1927) (*abst*) Rv Geol et Sci conn 8: 252 (1927)

27a Recent foraminifera from off the west coast of America. Scripps Inst Oceanography, Tech Ser, B 1:119-188, 6 pls (1927) (*abst*) Rv Geol et Sci conn 8:531-532 (1927)

27b (and **Grant**, U. S., IV) Late Tertiary and Quaternary Elphidiums of the West Coast of North America. San Diego Soc N H, Tr 5:69-82, 2 pls (1927) (*abst*) Rv Geol et Sci conn 8:355-356 (1927) G Zentralbl 42:342 (1930)

27c (and **Hanna**, G. Dallas). Foraminifera from Eocene near Coalinga, California. Cal Ac Sc Pr (4) 16, no 8:205-229, pls 13-14 (1927) (*abst*) Rv Geol et Sci conn 8:250-251 (1927)

27d (and **Hanna**, Marcus A.) Foraminifera from Eocene near San Diego, California. San Diego Soc N H, Tr 5:45-64, 3 pls (1927)

28 A Cretaceous *Cyclammina* from California. Cushman Lab. Foraminiferal Research, Contr 4:70-71, September, 1928 (*ann*) An Bib Ec G 1:210 (1928) (*abst*) G Zentralbl 41:55 (1930)

28a (and **Schenck**, H. G.) Two foraminiferal faunules from the Oregon Tertiary. Cal Univ, Dp G, B 17, no 9:305-324, 4 pls (1928) (*abst*) G Zentralbl 41:343 (1930)

29 (and **Church**, C. C.) Some Upper Cretaceous Foraminifera from near Coalinga. Cal Ac Sc, Pr (4) 18:497-530 (October 4, 1929) (*ann*) An Bib Ec G 2:403 (1929) J Paleontology 4:198 (1930) (*abst*) G. Zentralbl 41:345-346 (1930)

Cushman, Joseph Augustine—Cont.

29a Pliocene *Lagenas* from California. Cushman Lab Foraminiferal Research, Contr 5:67-72 (1929) (*abst*) G Zentralbl 42:338-339 (1930)

30 (**Stewart**, Roscoe E., and **Stewart**, Katherine C.) Tertiary foraminifera from Humboldt County. (A preliminary survey of the fauna.) San Diego Soc N H, Tr 6:41-94, 8 pls, 1 chart (1930) (Review) J G 38:666 (1930) G Zentralbl 43:213 (1930)

30a (and **Valentine**, Wm. W.) Shallow water foraminifera from the Channel Islands of southern California. Stanford Univ, Dp G, Contr. 1: 51 pp., 10 pls (1930)

30b (and **Barksdale**, Julian D.) Eocene foraminifera from Martinez, Calfornia. Stanford Univ, Dp G, Contr 1, no 2:22 pp, 2 pls (1930)

Dacqué, E.

11 Die Stratigraphie de marinen Jura an den Rändern des Pazifischen Ozeans. G Rundschau, B 2, H 8:464-498, 3 figs (1911)

Dale, T. Nelson.

06 (and **Eckel**, E. C.) Slate deposits of the United States. U S G S, B 275:51-125, California 56-59 (1906) (*abst*) G Zentralbl 8:513 (1906)

09 General note on slate. U S G S, Min Res, Calendar Year 1908:528-532, California 530 (1909)

13 Slate. U S G S, Min Res, Calendar Year 1912:675-707, California 694 (1913)

14 (and others) Slate in the United States. U S G S, B 586 (California by E. C. Eckel) 65-70:220 pp (1914)

Dall, William Healey.

74 Notes on some Tertiary fossils from the California coast... Cal Ac Sc, Pr 5:296-299 (1874)

79 Post-Pliocene fossils in the Coast Range of California. U S Nat Mus, Pr 1:3 (1879)

79a Fossil mollusks from the later Tertiaries of California. U S Nat Mus, Pr 1:10-16 (1879)

79b Distribution of Californian Tertiary fossils. U S Nat Mus, Pr 1:26-30 (1879)

92 (and **Harris**, G. D.) Correlation papers: Neocene. U S G S, B 84:349 pp, maps (1892)

94 On the species of *Mactra* from California. Nautilus, 7:136-138 (1894)

98 A table of the North American Tertiary formations correlated with one another and with those of western Europe, with annotations. U S G S, An Rp 18 pt 2:323-348 (1898)

Dall, William Healey—Cont.

01 (and **Bartsch**, Paul) A new California *Bittium*. Nautilus, 15:58–59 (1901) (*abst*) G Zentralbl 4:189 (1903)

09 Contributions to the Tertiary paleontology of the Pacific coast. I. The Miocene of Astoria and Coos Bay, Oregon. U S G S, P P 59:278 pp, il (1909)

Dana, Drexel.

30 (and **Morgan**, F. A.) Maricopa Flat—a new field in an old area. Oil Bull 16, no 3:237-240 (March, 1930)

Dana, Edward Salisbury.

84 A crystallographic study of the thinolite of Lake Lahontan. U S G S, B 12:34 pp (1884)

85 (and **Penfield**, S. L.) Mineralogical notes. Am J Sc (3) 30:136-139 (1885) Cal St M Bur, An Rp 5:65-66 (1885)

86 On the crystallization of gold. Am J Sc (3) 32:132-138 (1886) Zs Kryst 12: 275-281 (1886) N Jb 1889 Ref:226-227 (1889)

Dana, James Dwight (1813-1895).

43 On the analogies between the modern igneous rocks and the so-called primary formations, and the metamorphic changes produced by heat in the associated sedimentary deposits. Am J Sc 45:104-129 (*abst*, with discussion), 138 (1843)

49 Gold in California. Am J Sc (2) 7:125-126, 262-264 (1849)

49a Notes on upper California. Am J Sc (2) 7:247-264 (1849)

49b Observations on some points in the physical geography of Oregon and upper California. Am J Sc (2) 7:376-394 (1849)

49c Geology. United States exploring expedition, during the years 1838, 1839, 1840, 1841, 1842, under the command of Charles Wilkes. U. S. N. 10:756 pp, Phila (1849) Fossils from northwestern America (reprint 722-730, U S G S, P P 59: 152-157 (1909) (*abst*) N Jb 1851:356 (1851)... (Rv) Am J Sc (2) 8:454-455 (1849) (2) 22: 452 (1856) N Am Rv 74:301–330 (1852)

82 Ammonites in the Tejon group of California. Am J Sc (3) 24:152 (1882)

94 Geological observations on Oregon and Northern California. Wilkes Exploring Expedition 10:611-678 (1894)

Danes, Jiri V.

07 Das Erdbeben von San Jacinto am 25 December, 1899 (southern California). K-k Geog Ges Wien, Mitt 50:339-347 (1907)

09 Absence de traces glaciaries dans la Californie méridionale. La Géog 19:120-122 (1909)

Darton, Nelson Horatio.

96 Catalogue and index of contributions to North American geology, 1732-1891. U S G S, B 127:1045 pp (1896) (California 115-122)

Darton, Nelson Horatio—Cont.

02 Catalogue of photographs belonging to the Geological Society of America. G Soc Am, B 13-377-474, California 386-393 (1902)

02a Preliminary list of deep borings in the United States, Part I, Alabama-Montana. U S G S, W-S P 57:60 pp, California 12-17 (1902)

05 Preliminary list of deep borings in the United States, second edition with additions. U S G S, W-S P 149:175 pp, California 14-19 (1905)

07 Discovery of Cambrian rocks in southeastern California. J G 15:470-473 (1907)

12 Silica and lime deposition. Geologische Charakterbilder (H. Stille), Heft 12, 6 pls, and explanatory text (1912)

15 (and others). Guidebook of the western United States, Part C, The Santa Fe Route, with a side trip to the Grand Canyon of the Colorado. U S G S, B 613: 194 pp, maps (1915) (*abst*) by E. B. Bastin, Wash Ac Sc, J 5:634 (1915) G Zentralbl 27:113 (1921)

16 Some geological features of southeastern California. (*abst*) Wash Ac Sc, J 6:23-24 (1916)

David, T. W. Edgeworth.

27 Note on the geological horizon of the Archaiocyathinae. R Soc S Australia, Tr and Pr 51:410-413 (1927) (*abst*) Biol Absts 4:545 (1930)

Davidson, George (1824-1911).

69 Coast Pilot of California, Oregon and Washington Territory. U S Coast Survey, 1869:262 pp, California 1-110, il (1869)

73 The abrasions of the continental shores of northwestern America and the supposed ancient sea levels. Cal Ac Sc, Pr 5:90-97 (1873)

73a On the auriferous gravel deposits of California. Cal Ac Sc, Pr 5:145-146 (1873)

75 Gravels in Placer County, Cal. Cal Ac Sc, Pr 5:41 (1875)

97 The submerged valleys of the coast of California, U. S. A., and Lower California, Mexico. Cal Ac Sc, Pr (3) G 1:73-103 (1897)

99 Cited on submerged valleys of California. G Soc Am, B 10:6 (1898-99)

06 The San Francisco earthquake of April 18, 1906. Am Ph Soc, Pr 45:164-165 (1906) Sc Am Sup 61:25416-25417 (1906)

06a Points of interest involved in the San Francisco earthquake. Am Ph Soc, Pr 45:178-182 (1906)

Davidson, George—Cont.

11 (with **McAdie**, Alexander, **Townley**, S. D., **Wood**, H. O., and others) Notes on the California earthquake of July 1, 1911. Seism Soc Am, B 1:110-121 (1911)

Davidson, Pirie.

23 *Alticamelus alexandrae*, a new camel from the Barstow upper Miocene of the Mohave Desert. Cal Univ, Dp G, B 14: 397-408, 16 figs (1923) *(absts)* Rv Crit Paleozool, J 28:99 (1924) G Zentralbl 31:347 (1925 Rv Geol et Sci conn 5:493 (1924)

Davies, William O.

65 Report of the Pacific Coal Company. 10 pp, New York (1865)

Davis, Arthur Powell.

97 Report of progress of stream measurements for the Calendar Year 1896. U S G S, An Rp 18, pt 4:13-418, California 361-418 (1897)

07 The new inland sea. Nat Geog Soc, Mag 18:37-49 (1907) *(abst)* Nature 75: 501 (1907)

Davis, Charles H.

12 The Los Burros mining district (California). M Sc Press, 104:696-698, 1 fig (1912) *(abst)* Eng Index 1912:388 (1913)

13 Discussion of the Jurassic age of the slates at Slate Springs, Monterey County, California. *(abst)* G Soc Am, B 24:131 (1913)

13a New species from the Santa Lucia Mountains, California, with a discussion of the Jurassic age of the slates at Slate Springs. J G 21, no 5:453-458, 7 figs (1913) *(abst)* G Zentralbl 21:140 (1915)

Davis, C. W.

29 (and **Messer**, L. R.) Some properties of fuller's earth and acid-treated earths as oil refining absorbents. Am I M Met Eng, Tr (year book) 1929:288-302, 6 figs, 2 tables (1929)

Davis, Elmer Fred.

13 The registration of earthquakes at the Berkeley station and at the Lick Observatory station from April 1 to September 30, 1912. Cal Univ, Seism Sta, B 1, no 4:69-95 (1913)... October 1, 1912, to March 31, 1913, no 5:97-116 (1914)... April 1 to September 30, 1913, no 6:117-133 (1914)... October 1, 1913, to March 31, 1914, no 7:135-153 (1914)... April 1, 1914, to September 30, 1914, no 8:155-168 (1914)... April 1, 1915, to September 30, 1915, no 10:189-211 (1916)... October 1, 1915, to March 31, 1916, no 11:213-242 (1916)... April 1, 1916, to September 30, 1916, no 12:243-271 (1917)... October 1, 1916, to March 31, 1917, no 13:273-295 (1917)... April 1, 1917, to September 30, 1917, no 14:297-324 (1918)... October 1, 1917, to March 31, 1918, no 15:325-338 (1919)... April 1, 1918, to September 30, 1918, no 16:339-355 (1920)... October 1, 1918, to March 31, 1919, no 17:357-370 (1920)... April 1, 1919, to September 30, 1919, no 18:371-385 (1920)

Davis, Elmer Fred—Cont.

14 Notes on the San Bruno earthquake of January 23, 1914. Seism Soc Am, B 4:25-28 (1914)

15 The earthquakes of October 7, 1915, in central California. Seism Soc Am, B 5:230-235 (1915)

15a Central California earthquake of November 8, 1914. Seism Soc Am, B 5:5-13 (1915)

18 The Franciscan sandstone. Cal Univ, Dp G, B 11:1-44 (1918) *(abst)* G Zentralbl 30:75 (1924)

18a The radiolarian cherts of the Franciscan group. Cal Univ, Dp G, B 11:235-432 (1918) Min Absts 1:210 (1921)

Davis, Horace.

55 (On auriferous gravels near Sonora, Cal.) Cal Ac N Sc, Pr 1:61 (1855; 2d ed, 1873:62)

Davis, Hubert W.

22 (and **Burchard**, Ernest F.) Iron ore. U S G S, Min Res, Calendar Year 1920: 365-399, California 367, 370-371 (1922)... 1921:565-597, California 566-568, 572 (1924)... 1922:341-376, California 344, 346, 350 (1925)... U S B M, Min Res, 1924:297-333 California 299, 302, 306 (1927)

28 Iron ore. U S B M, Min Res, Calendar Year 1925:89-126, California 91-92 (1928)... 1926:87-124, California 88-89, 91 (1928)

Davis, R. O. E.

04 Analyses of kunzite. Am J Sc (4) 18:29 (1904)

Davis, Watson.

25 Notes on the Santa Barbara earthquake. Science (n s) 62:x, xii (July 10, 1925)

Davis, William Morris.

93 Early reference to origin of San Francisco Bay by submergence. Geographical Illustrations, Cambridge, 1893, p 36 (1893)

07 Current notes on land forms: Fault blocks in the Sierra Nevada. Science (n s), 25:72 (1907)

27 The rifts of Southern California. Am J Sc (5) 13:57-72 (1927) *(abst)* G Zentralbl 38:15 (1928)

28 Review of landslide lakes of the northwestern Great Basin. Am J Sc (5)

Davis, William Morris—Cont.

16:365 (1928) G Zentralbl 39:147 (1929) Geog Rv 18:673-674 (1928)

28a Review of Southern California geology and Los Angeles earthquake by R. T. Hill. Am J Sc (5) 16:462-463 (1928)

29 Review of geology of the Marysville Buttes, California. Am J Sc (5) 18:528 (1929)

30 Rock floors in arid and in humid climates. J G 38:1-27, 136-158, California 22-23 (1930)

30a (**Richards,** G. L. and **Putnam,** W. C.) Elevated shore-lines of Santa Monica Mountains. (*abst*) Pan Am G 54:154 (1930)

30b Physiographic contrasts, East and West. Sc Mo 30:395-415 (1930)

Davison, Charles.

06 The San Francisco earthquake of April 18, 1906. Nature, 73:608-610 (1906) Sc Am Sup, 61:25416-25417 (1906)

Davison, Simpson.

60 The discovery and geognosy of the gold deposits in Australia, with comparisons and accounts of the gold regions of California, etc. 36 pp, London (1860)

Dawson, George Mercer.

78 Traveling notes on the surface geology of the Pacific slope. Can Nat (n s) 8:389-399 (1878)

Day, Arthur L.

22 Cooperative studies of California earth movements. (*abst*) Science (n s) 55:492-493 (1922)

22a Possible causes of the volcanic activity at Lassen Peak, California. Seism Soc Am, B 12:35-46, 2 pls (1922) Franklin Inst, J 194:569-582, 1 fig (1922)

24 Hot springs and fumaroles of "The Geysers" region, California. J G 32:459-460 (1924) G Zentralbl 33:160 (1926)

24a (and **Allen,** E. T.) The sources of the heat and the source of the water in the hot springs of the Lassen National Park. J G 32:178-190 (1924) G Zentralbl 33:160 (1926)

24b Report of the advisory committee on seismology. Carnegie Inst, Wash, Y Bk 22:362-368 (1924)

25 The study of earth movements in California. Science (n s) 61:323-328 (1925)

25a (and **Allen,** E. T.) The volcanic activity and hot springs of Lassen Peak, California. Carnegie Inst, Wash, Pub 360: 190 pp, 81 figs, 13 pls (1925) The Volcano Letter No 293:1-3 (1930)

26 Santa Barbara earthquake. (*abst*) G Soc Am, B 36:143 (1926) G Zentralbl 37:30 (1928)

27 (and **Allen,** E. T.) Steam wells and other thermal activity at "The Geysers," California. Carnegie Inst, Wash, Pub 378: 105, 34 figs (1927) (*abst*) Scottish Geog Mag 44:230-231 (1928) G Zentralbl 38:176-177, 470 (1928)

Day, Arthur L.—Cont.

28 (and **Allen,** E. T.) Natural steam power in California. Nature 122:17-18, 27-28 (1928)

Day, David T.

83 Chromium. U S G S, Min Res, Calendar Year 1882:428-430, California 428-429 (1883)... 1883-84:567-573, California 568-751 (1885)... 1885:357-360, California 357-358 (1886)... 1886:176-179, California 176-177 (1887)... 1887:132-133, California 132 (1888)... 1888:119-122, California 119-120 (1890)... 1889-90:137-140, California 137-139 (1892)... 1891:171-173, California 171 (1893)

85 Sulphur. U S G S, Min Res, Calendar Year 1883-84:864-876, California 864-865 (1885)

86 Asbestos. U S G S, Min Res, Calendar Year 1885:521-522, California 521 (1886)

86a Buhrstones. U S G S, Min Res, Calendar Year 1885:428-436, California, 428 (1886)

86b Mica. U S G S, Min Res, Calendar Year 1885:518-520, California 519 (1886)

86c Pumice. U S G S, Min Res, Calendar Year 1885:428-436, California 433 (1886)

86d Borax. U S G S, Min Res, Calendar Year 1885:491-493, California 491-492 (1886)... 1886:678-680, California 678-680 (1887)... 1887:4 (1888)... 1891:587-588, California 587-588 (1893)

86e Mineral resources of the United States, Calendar Year 1885. U S G S: 576 pp (1886)... 1886:813 pp (1887)... 1887:832 pp (1888)... 1888:652 pp (1890)... 1889 and 1890: 671 pp (1892)... 1891:630 pp (1893)... 1892: 850 pp (1893)... 1893:810 pp (1894)

86f Antimony. U S G S, Min Res, Calendar Year 1885:387-388, California 387 (1886)... 1887:2 (1888)... 1893:184-186, California 184 (1894)

86g Gold and silver. U S G S, Min Res, Calendar Year 1885:200-207, California 201-203 (1886)... 1886:104-108, California 105 (1887)... 1887:58-65, California 59-60 (1888)... 1888:36-42, California 37 (1890)... 1891:74-80, California 75, 77, 79, 80 (1893)... 1903:157-165, California 159-161 (1904)

87 Infusorial earth. U S G S, Min Res, Calendar Year 1886:587-588, California 588 (1887)

87a Tellurium. U S G S, Min Res, Calendar Year 1886:648-649, California 648 (1887)

87b Gypsum. U S G S, Min Res, Calendar Year 1886:620-623, California 623

Day, David T.—Cont.

(1887)... 1887:595-596, 601-603, California 602 (1888)... 1889-90:465-467, California 466 (1892)... 1892:801-804, California 802 (1893)... 1903:1033-1045, California 1033-1040, 1042 (1904)

87c Quicksilver. U S G S, Min Res, Calendar Year 1886:160-168, California 160-168 (1887)... 1887:118-125, California 118-120 (1888)... 1888:97-107, California 97-100 (1890)... 1889-1890:94-109, California 94, 95, 98, 102-103, 104 (1892)... 1891:117-125, California 117, 118, 121, 124 (1893)... 1900:235-238, California 235-236 (1901)

88 Tin. U S G S, Min Res, Calendar Year 1887:134-137, California 136 (1888)... 1889-90:119-123, California 119-120, 121 (1892)... 1891:164-166, California 164 (1893)

89 Statistics of quicksilver. U S G S, An Rep 8 (1) 1886:196 (1889)... 9 1887: 135, 139 (1889)... 10 (1) 1888:183 (1890)... 12 (1) 1889:130-131 (1891)... 15 1893:204 (1895)... 16 (3) 1894:6, 598-604 (1895)... 17 (3) 1895:7, 179-184 (1896)... 18 (5) 1896:6, 287-290 (1897)... 19 (6) 1897:5, 243-248 (1898)... 20 (6) 1898:7, 271-275 (1899)

90 Asphaltum and bituminous rock. U S G S, Min Res, Calendar Year 1888: 513-514, California 513-514 (1890)... 1909: 731-733, California 732 (1911)... 1910:833-839, California 835 (1911)... 1911:1003-1021, California 1005 (1912)... 1912:997-1006, California 997, 999, 1003 (1913)... 1913:537-544, California 539 (1914)

92 Chromic iron ore. *In* U S 11th Census Report on Mineral Industries in the United States. 333-334 (1892)

92a Report on Mineral Industries in the United States at the Eleventh Census: 1890. i-xvi, 1-858 (1892)

92b Tin. *In* U S 11th Census Report on Mineral Industries in the United States. 247-266 (1892)

93 Soapstone. U S G S, Min Res, Calendar Year 1892:813-814, California 814 (1893)... 1893:625-626, California 625 (1894)

95 Mineral resources of the United States, Calendar Year 1894. U S G S, An Rp 16 pt 3:646 pp; pt 4:735 pp (1895)... 1895; An Rp 17 pt 3:1058 pp (1896)... 1896; An Rp 18 pt 5:1400 pp (1897)... 1897; An Rp 19 pt 6:651, 706 pp (1898)... 1898; An Rp 20 pt 6:616, 804 pp (1899)... 1899; An Rp 21 pt 6:656. 634 pp (1901)

97 Gold and silver. U S G S, An Rp 18 pt 5:141-151, California 141-151 (1897)... An Rp 19 pt 6:127-135, California 127-133 (1898)... An Rp 20 pt 6:103-123, California 103-109 (1899)... An Rp 21 pt 6:119-127, California 119-127 (1901)

98 Platinum. U S G S, An Rp 19 pt 6:265-271, California 265-267 (1898)... An Rp 20 pt 6:293, California 293 (1899)

Day, David T.—Cont.

99 Chromic iron ore. U S G S, An Rp 20 pt 6:291-292, California 291 (1899)

01 Notes on the occurrence of platinum in North America. Am I M Eng, Tr 30: 702-708 (1901) (*abst*) M Sc Press 81:158 (1900)

01a Building stones. U S G S, An Rp 21 pt 6:333-360, California 335 (1901)

01b Granite. U S G S, An Rp 21 pt 6:333-360, California 336-340 (1901)

01c Marble. U S G S, An Rp 21 pt 6:333-360, California 341-343 (1901)

01d Slate. U S G S, An Rp 21 pt 6:333-360, California 344-349, 351 (1901)

01e Sandstone. U S G S, An Rp 21 pt 6:333-360, California 353-356 (1901)

01f Limestone. U S G S, An Rp 21 pt 6:333-360, California 357-360 (1901)

01g Platinum. U S G S, Min Res, Calendar Year 1900:233-234, California 233 (1901)... 1903:311-312, California 311 (1904)... 1904:359-360, California 359-360 (1905)... 1906:551-562, California 560 (1907)... 1907:731-732, California 731 (1908)... 1908:781-791, California 781, 783 (1909)... 1912:1055-1059, California 1055-1056 (1913)... 1913:454-457, California 445 (1914)

01h Oil fields of Texas and California. Review of Reviews 23:711-713 (1901) Nat Geog Mag 12:276-278 (1901)

05 Black sands of the Pacific coast. 59th cong, 1st sess, Senate Doc 65:24 pp (1905)

06 (and **Richards, R. H.**) Black sands. U S G S, Min Res 1905:1175-1258 (1906)

06a (and **Richards, R. H.**) Investigation of the black sands from placer mines. U S G S, B 285:150-164 (1906)

07 The auriferous black sands of California. M Min 27:564-565 (1907)

07a Black sands of the Pacific coast. Franklin Inst, J 164:141-153 (1907) M World 27:891, 974, 1013 (1907)

07b Pyrite. U S G S, Min Res, Calendar Year 1905:1141-1143, California 1141-1142 (1906) 1906:1106-1108, California 1107 (1907)

08 Petroleum. U S G S, Min Res, Calendar Year 1907:347-475, California 347-350, 352-357, 406-410, 436-458 (1908)... 1908:345-440, California 345-350, 353, 357-359, 408-410 (1909)... 1909:303-427, California 303-307, 314-317, 371-375 (1911)... 1910:327-458, California 327-331, 333-336, 340-341, 356-357, 412-420 (1911)... 1911: 335-480, California 335, 337-339, 341-345, 350, 425-429 (1912)... 1912:361-495, California 361-362, 364-366, 368-371, 376-377, 449-452 (1913)... 1913:929-1284, California 930-931, 933, 935-938, 945-946, 948-949, 962, 1062-1070, 1126-1177 (1914)

Day, David T.—Cont.

08a Talc. U S G S, Min Res, Calendar Year 1907:873-876, California 873, 875 (1908)

09 The petroleum resources of the United States. U S G S, B 394:30-50 (1909) Nat Conservation Comm (60th cong, 2d sess, S Doc no 676), Rp 3:446-464 (1909)

09a Natural-gas resources of the United States. U S G S, B 394:51-61 (1909) Nat Conservation Comm (60th cong, 2d sess, S Doc no 676, Rp 3:465-475 (1909)

09b Map of United States showing known productive oil and gas fields of the United States in 1908, 2d ed. U S G S (1909). Scale, 110 miles to one inch.

10 The distribution of platinum in the United States. (*abst*) Science (n s) 31: 518-519 (1910)

12 Production of petroleum in U. S. in 1911. M World 36:1283 (1912) (*abst*) Eng Index 1912:434 (1913)

15 Petroleum. Min Ind, 23:550-580. California 550, 551, 553, 554-558 (1915)... 24: 525-549, California 525, 528-531 (1916)... 25:532-567, California 533-534, 535-538 (1917)... 26:484-516, California 485, 487-489 (1918)... 27:516-552, California 518, 520-552 (1919)... 28:489-533, California 490, 492-494, 528 (1920)... 29:489-530, California 490-492, 495-496, 529 (1921)... 30:490-535, California 490-492, 494-495, 535 (1922)... 31:499-552, California 499, 500-504, 545, 552 (1923)... 32:470-526, California 470-471, 475-481 (1924)... 33:515-558, California 516-519, 554 (1925)

Day, William C.

86 Feldspar. U S G S, Min Res, Calendar Year 1885:523 (1886)

86a Sulphur. U S G S, Min Res, Calendar Year 1885:494-500, California 496-497 (1886)

87 Structural materials. U S G S, Min Res, Calendar Year 1886:517-580, California 535-536 (1887)

87a Granite. U S G S, Min Res, Calendar Year 1886:517-580, California 537 (1887)... 1887:503-551, California 514 (1888)... 1888: 516-575, California 536, 538 (1889)... 1889-90:373-440, California 374, 380-382 (1892)... 1891:456-473, California 457, 458 (1893)... 1892:704-711, California 706 (1893)

87b Marble. U S G S, Min Res, Calendar Year 1886:517-580, California 545-546 (1887)... 1888:516-575 California 541-543 (1889)... 1889-90:373-440, California 375, 382 (1892)... 1891:456-473, California 468-469 (1893)... 1892:704-711, California 709 (1893)

87c Kaolin. U S G S, Min Res, Calendar Year 1886:517-580, California 573 (1887)

Day, William C.—Cont.

89 Sandstone. U S G S, Min Res, Calendar Year 1888:516-575, California 545 (1889)... 1889-90:373-440, California 374, 382 (1892)... 1891:456-473, California 461 (1893)... 1892:704-711, California 710-711 (1893)

92 Limestone. U S G S, Min Res, Calendar Year 1889-90:373-440, California 373, 383 (1892)... 1891:456-473, California 464, 465 (1893)... 1892:704-711, California 711 (1893)

92a Stone. *In* U S 11th Census Report on Mineral Industries in the United States. 593-666 (1892)

92b Slate. U S G S, Min Res, Calendar Year 1889-90:373-440, California 376, 382 (1892)... 1891:456-473, California 472 (1893)... 1892:704-711, California 710 (1893).

95 Value of building stones. U S G S, An Rp 16 pt 4:436-510, California 437 (1895)... An Rp 19 pt 6:205-309, California 206-207 (1898)... An Rp 20 pt 6:269-464, California 271 (1899)

95a Granite. U S G S, An Rp 16 pt 4:441, 445, 453, 457-458 (1895)... An Rp pt 6:205-309, California 208-213 (1898)... An Rp 20 pt 6:269-464, California 272-277 (1899)

95b Marble. U S G S, An Rp 16 pt 4:436-510, California 463-464 (1895)... An Rp 19 pt 6:205-309, California 238-242 (1898)... An Rp 20 pt 6:269-464, California 281-284 (1899)

95c Sandstone. U S G S, An Rp 16 pt 4:436-510, California 484-486 (1895)... An Rp 19 pt 6:205-309, California 264-267 (1898)... Ap Rp 20 pt 6:269-464, California 336-339 (1899)

95d Slate. U S G S, An Rp 16 pt 4:436-510, California 476-477 (1895)... An Rp 19 pt 6:205-309, California 248-254 (1898)... An Rp 20 pt 6:269-464, California 294-299 (1899)

95e Limestone. U S G S, An Rp 16 pt 4:436-510 California 494-496 (1895)... An Rp 19 pt 6:205-309, California 280-283, 286 (1898)... An Rp 20 pt 6:269-464, California 342-346 (1899)

Dean, H. J.

12 (and **McGlashan,** H. D., under direction of J. C. Hoyt) Water resources of California. Part 2, Stream measurements in San Joaquin River Basin. U S G S, W-S P 299:439 pp, 7 pls (1912)

13 (and **McGlashan,** H. D., under direction of J. C. Hoyt) Water resources of California. Part III, Stream measurements in the Great Basin and Pacific coast river basins. U S G S, W-S P 300:956 pp, 4 pls (1913)

Dean, Walter C.

19 (with **Watson,** E. B., **Zinn,** C. J., **Pendleton,** R. L., and **Lapham,** M. H.) Soil survey of the Healdsburg area, California. U S Dp Agr, Bur Soils, Rp 17:2199-2253, pls 50-54, map no 59 (1919)

21 (with **Nelson,** J. W., and **Eckmann,** E. C.) Soil survey of the Upper San Joaquin Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1917: 116 pp, 4 pls, 1 fig, 1 map (1921)

23 (with **Carpenter,** E. J., **Kocher,** A. E., **Smith,** Alfred, **Cosby,** S. W., and **Wank,** M. E.) Soil survey of the Brawley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1920:641-716, 5 pls, 1 fig, 2 maps (1923)

23a (with **Nelson,** J. W., **Eckmann,** E. C., **Lapham,** M. H.) Reconnaissance soil survey of the upper San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 19:2535-2644, pls 64-67, map no 59 (1923)

23b (with **Nelson,** J. W., **Kocher,** A. E., **Watson,** E. B., **Carpenter,** E. J., and **Lapham,** Macy H.) Soil survey of the Ventura area, California. U S Dp Agr, Bur Soils, Rp 19:2321-2403, pls 56-58, map no 56 (1923)

24 (and **Lapham,** Macy H.) Soil survey of Willits area, California. U S Dp Agr, Bur Soils, Rp 20:1725-1752, pls 34-35, map no 46 (1924)

Deane, Charles T.

03 The oil fields of California. *In* Eleventh An Conv, 1902, California Miners' Association, Pr:27-35 (San Francisco, 1903)

03a The oil fields of California from a commercial standpoint. Cal Petroleum M As, B 3 (1903)

04 The petroleum industry in California. Min Ind 12:289-291 (1904)... 13:357-359 (1905)

04a The Oil Industry of California. pp 41-46. *In* Daniells, California; Its Products, Resources, Industries and Attractions. 208 pp, Sacramento (1904)

Deby, J.

92 The fossil *Aulisci* of California. Torrey Bot Club, B 20:118-119 (1892-1893)

Decius, L. C.

24 (and **Gaylord,** E. G.) Petroleum development in California during 1923. Am Inst M & Met Eng, Production of petroleum in 1923, pp 36-47, 2 figs (1924)

Decker, E. L.

30 Treatment of mud fluid in California. Oil Weekly 58, no 2:31-34 (June 27, 1930)

Deckert, Emil.

01 Die Hachkketten des amerikanischem Felsengeberges und der Sierra Nevada. Zs Ges Erdk 36:1-19 mit 5 Taf Berlin (1901)

De Groot, Henry.

82 Hydraulic and drift mining. Cal St M Bur, St Mineralogist's An Rp 2:133-190 (1882)

83 Recollection of California mining life. M Sc Press 47:292, 320-321, 330, 346, 382 (1883)

85 Gold mines and mining in California. Eng M J 40:184-185 (1885)

90 The San Francisco ocean placer—the auriferous beach sands. Cal St M Bur, An Rp 10:545-547 (1890)

90a Alpine, El Dorado, Inyo, Mono, San Bernardino counties. Cal St M Bur, St Mineralogist's An Rp 10:96-97, 169-182, 209-218, 336-344, 518-539 (1890)

90b The manufacture of glass in California. Cal St M Bur, An Rp 9:324-329 (1890)

90c The Searles borax marsh. Cal St M Bur, An Rp 10:534-539 (1890)

De Kalb, Courtenay.

95 Onyx marbles. Eng M J 60:368 (1895) Inst M Eng, Tr 10:573 (1896)

07 Geology of the Exposed Treasure Lode, Mojave, California. Am I M Eng, B 13:15-24 (1907); Tr 38:310-319 (1908) (*abst*) G Zentrabl 12:13 (1909)

De la Bouglisse.

85 Note sur les mines l'or de Golden River, (California), 46 pp, Paris (1885)

De Launay, L.

93 (and **Fuchs,** Ed.) Gîtes de mercure de California. **In** E. Fuches et L. De Launay, Traité des Gîtes Mineraux et Métallifères 2:711-722, Paris (1893)

93a (and **Fuchs,** Ed.) Quartz aurifères de California. *In* E. Fuchs et L. De Launay. Traité des Gîtees Minèraux et Métallifères 2:919-925, Paris (1893)

93b (and **Fuchs,** Ed.) Alluvions aurifères de California. *In* E. Fuchs et L. De Launay, Traite de Gites Minéraux et Métallifères 2:961-969, Paris (1893)

96 Geological description of the gold mines of the Transvaal (Witwatersrand, Heidelberg, and Klerksdorp districts) Inst M Eng, Tr 11:378-459, 4 pls California 434 (1896)

13 Alluvions aurifères de California. *In* L De Launay, Traité de Métallogénie Gîtes Minéraux et Métallifères 3:705-712, Paris et Liége (1913)

13a Borates des Etats-Unis (Californie, Nevada). *In* L. De Launay, Traité de Métallogénie Gîtes Minéraux et Métallifères 1:630-633 (1913)

De Launay, L.—Cont.

13b The gold deposits of California. *In* L. De Launay, Traité de Métallogénie Gîtes Minéraux et Métallifères 3:614-618, Paris et Liége (1913)

Demaret, Leon.

04 Les principaux gisements des minerais de mercure du monde. An M Belgique 9:80 pp, 3 pls, 28 figs (1904)

Dennis, Clifford G.

14 Quicksilver. Min Ind, 22:651-656, California 651, 652, 653-654 (1914)... 23: 654-659, California 654, 655, 656 (1915)... 24:614-619, California 617-618 (1916)

17 (and **Bogard,** V. E.) Quicksilver. Min Ind, 25:638-640, California 638-639, 640 (1917)

Denton, William (1815-1888).

76 (An asphalt bed near Los Angeles, Cal. (Rancho La Brea).) Boston Soc N H, Pr 18:185-186 (1876) (*abst*) G Rec 1877: 134 (1880)

DeQuille, Dan.

95 Millions in gold beneath the lava flows. Eng M J 60:537-538 (1895)

96 The geological age of gold. Eng M J 62:54 (1896)

Derby, George H.

50 Topographical memoir accompanying maps of the Sacramento Valley. *In* Report of the Secretary of War, U S 31st cong, 1st sess, S Ex Doc 47, part 2:3-16 (1850)

51 Report of an examination of the country between the latitude of San Miguel and that of San Luis Obispo... Tulare Lake and vicinity. U S 32d Cong, 1st sess, Sen Ex Doc, 9, no 81, Serial 620, v 10, no 110, Serial 621 (1851)

52 Report of the Secretary of War, communicating, in compliance with a resolution of the Senate, a reconnaissance of the Gulf of California and the Colorado River, by Lieutenant Derby. U S 32d Cong, 1st sess, Sen Ex D no 81, 28 pp, map (June 19, 1852)

Derleth, Charles Jr.

06 Some effects of the San Francisco earthquake on water-works, streets, sewers, car tracks, and buildings. Eng News, 55, no 19:503–504, 525–526; no 20:548–554, 20 figs; no 26:707 (1906)

07 The destructive extent of the California earthquake of 1906... *In* Jordan, D. S., editor, The California earthquake of 1906:79-212, San Francisco (1907)

De Ropp, A. Jr.

18 Potash from Searles Lake. Ind Eng Chem J 10:839:844 (1918) Met Chem Eng 19:425-431 (1918) Chem Absts 13:61 (1918)

Dice, Lee Raymond.

25 Rodents and lagomorphs of the Rancho La Brea deposits, California. Carnegie Inst, Wash, Pub 349:119-130, 17 figs (1925)

Dickerson, Roy Ernest.

08 Whitney Creek, its glaciation and present form. Cal Phys Geo Club, B 2, no 1:15-21 (1908)

11 The stratigraphic and faunal relations of the Martinez formation to the Chico and Tejon north of Mount Diablo. Cal Univ, Dp G, B 6:171-177 (1911) (*abst*) G Zentralbl 21:377-378 (1915)

13 Fauna of the Eocene at Marysville Buttes, Cal. Cal Univ, Dp G, B 7:257-298, il, map (1913) (*abst*) G Zentralbl 20:290-291 (1914)

13a Minutes of the Pacific Coast section of the Paleontological Society (third annual meeting, April 6, 1912). G Soc Am, B 24:126-132 (1913)

13b Eocene of San Pedro Point, San Mateo Co., Cal. (*abst*, with discussion by A. C. Lawson and J. C. Merriam) G Soc Am, B 24:126-127 (1913)

13c Stratigraphic and faunal relations of the Martinez and Tejon south of Mount Diablo, Cal. (*abst*, with discussion by G. D. Louderback and F. M. Anderson) G Soc Am, B 24:127 (1913)

14 Note on the faunal zones of the Tejon group. Cal Univ, Dp G, B 8:17-25 (1914) (*abst*) G Zentralbl 21:617 (1915)... 30:80 (1924)

14a Fauna of the Martinez Eocene of California. Cal Univ, Dp G, B 8:61-180, il, maps (1914) (*abst*) G Zentralbl 21:616-617 (1915)...30:54-55 (1924)

14b The Martinez and Tejon Eocene and associated formations of the Santa Ana Mountains (Cal). Cal Univ, Dp G, B 8:257-270, map (1914) (*abst*) G Zentralbl 30:55-56 (1924)

14c The Martinez Eocene and associated formations at Rock Creek on the western border of the Mohave Desert area. Cal Univ, Dp G, B 8:289-298 (1914) (*abst*) G Zentralbl 29:500 (1923)

14d New molluscan species from the Martinez Eocene of southern California. Cal Univ, Dp G, B 8:299-304, il (1914) (*abst*) G Zentralbl 30:54 (1924)

14e Minutes of the fourth annual meeting of the Pacific coast section of the Paleontological Society. G Soc Am, B 25:150-156 (1914)

14f Faunal relations of the San Lorenzo Oligocene to the Eocene in California. (*abst*) G Soc Am, B 25:153 (1914)

14g Faunal zones of the Martinez Eocene of California (*abst*) G Soc Am, B 25:154 (1914)

Dickerson, Roy Ernest—Cont.

14h The Ione formation of the Sierra Nevada foothills, a local facies of the upper Tejon-Eocene. Science (n s) 40:67-70 (1914) (*abst*) G Soc Am, B 26:168 (1915) G Zenrtalbl 27:306 (1922)

15 Fauna of the type Tejon; its relation to the Cowlitz phase of the Tejon group of Washington. Cal Ac Sc, Pr (4) 5:33-98, il, maps (1915) (*abst*)G Zentralbl 26:499-500 (1921)

16 Stratigraphy and fauna of the Tejon Eocene of California. Cal Univ, Dp G, B 9:363-524, il, maps (1916) (*abst*) G Zentralbl 30:80-81 (1924)

16a Fauna of the Tejon group in the Cantua district of the Coalinga quadrangle, Cal. (*abst*) G Soc Am, B 27:173 (1916)

16b Fauna of the Tejon in San Diego Co., Cal. (*abst*) G Soc Am, B 27:173 (1916)

17 Climate and its influence upon the Oligocene faunas of the Pacific coast, with descriptions of some new species from the *Molopophorus lincolnensis* zone. Cal Ac Sc, Pr (4) 7:157-192, il (1917)

17a Climatic zones of Martinez Eocene time. Cal Ac Sc, Pr (4) 7:193-196 (1917)

17b Cretaceous and Tertiary horizons in the Marysville Buttes, Cal. (*abst*) G Soc Am, B 28:233-234 (1917)

18 Mollusca of the Carrizo Creek beds and their Caribbean affinities. (*abst*) G Soc Am, B 29:148 (1918)

18a Proposed correlation of the Pacific and Atlantic Eocene. (*abst*) G Soc Am, B 29:148-149 (1918)

18b Occurrence of the *Siphonalia sutterensis* zone, the uppermost Tejon horizon in the outer Coast Ranges of California. (*abst*) G Soc Am, B 29:163 (1918)

22 A criticism of the "Faunal relationships of the Meganos group" by Bruce L. Clark. J G 30:295-302, 1 fig (1922) (*abst*) Rv Geol et Sci conn 3:648-649 (1922)

22a Tertiary and Quaternary history of the Petaluma, Point Reyes, and Santa Rosa quadrangles, California. Cal Ac Sc, Pr (4) 11:527-601, 25 pls (incl maps), (1922) (*abst*) G Zentralbl 30:179 (1924) Rv Geol et Sci conn 3:650-651 (1922)

Diener, Carl.

15 Die Marinen Reiche der Triasperiode. Aus den Denkschriften der Kaiserlichen Akademie der Wissenschaften in Wien Mathematisch-Naturwissenschaftliche Klasse, 92 Band: pp 1-145 1 Karte California 124-125 (528-529) (1915)

Dietrich, Waldemar Fenn.

28 Clay resources and ceramic industry of California. Cal St M Bur, B 99:383 pp, 70 photos, 12 line cuts including maps (1928) (*ann*) An Bib Ec G 1:120 (1928)

Dietrich, Waldemar Fenn—Cont.

28a Clay prospecting and mining in California. Am I M Eng, Tr 76:413-429 (1928). (Excerpt) M Met 9:410-411 (1928) (*ann*) An Bib Ec G 1:119 (1928)

30 (and **Meyer**, W. W.) An investigation of the possible use of certain California clays in vitreous china sanitary-ware bodies. Am Ceramic Soc, J 13:202-217 (1930)

Dievendorff, H. H.

27 (and **Hertel**, F. W.) Deep well drilling technique. Am I M Eng, Tr (Petroleum development and technology 1927): 350 (1927)

Diller, Joseph Silas (1850-1928).

84 (Rocks of Lassen Peak and Mount Shasta.) Science 3:551-552 (1884)

84a (Geologic work in northern California and in Oregon.) Science 3:366 (1884)

85 Coal in the Chico group of California. Science 5:43 (1885) Eng M J 39:51 (1885)

86 Notes on the geology of northern California. U S G S, B 33:23 pp (1886) (*abst*) Ph Soc Wash, B 9:4-5 (1887); Am J Sc (3) 33:152-153 (1887) N Jb, 1888, 2 Ref:435-437 (1888)

87 The latest volcanic eruption in northern California and its peculiar lava. Am J Sc (3) 33:45-50 (1887) (Review) Am G 1:125-126 (1888) (*abst*) Petermann's Mitt 1887 (Beil zum 33):73 (1887)

89 Geology of the Lassen Peak district (Cal). U S G S, An Rp 8:395-432, map (1889) (*abst*) Petermann's Mitt 1891 (Beil zum 37):114-115 (1891)

90 Sandstone dikes (with discussion by W. M. Davis and B. K. Emerson). G Soc Am, B 1:411:442 (1890) (*abst*) Petermann's Mitt 1892 (Beil zum 38):116 (1892)

90a Note on the Cretaceous rocks of northern California. Am J Sc (3) 40:476-478 (1890)

90b Gold in calcite. Am J Sc (3) 39:160 (1890)

90c Report Cascade division. U S G S, An Rp 10 1888-1889 pt 1:144-147 (1890)... 11 1889-1890 pt 1:90-94 (1891)... 12 1890-1891 pt 1:100-103 (1891)... 13 1891-1892 pt 1:131-133 (1892)... 14 1892-1893 pt 1:246-248 (1893)... 15 1893-1894:171-174 (1895)

91 A late volcanic eruption in northern California and its peculiar lava. U S G S, B 79:33 pp (1891)

92 Lassen Peak sheet. U S G S, Geol map of the U S, preliminary ed (1892)

92a Geology of the Taylorville region of California. G Soc Am, B 3:369-394 (1892) (*abst*) Am G 9:215 (1892) Nature 47:39-40 (1892)

93 Cretaceous and early Tertiary of northern California and Oregon. G Soc

Diller, Joseph Silas—Cont.

Am, B 4:205-224, map (1893). (*abst*) Am G 11:139 (1893)

93a Our youngest volcano (Lassen Peak). Nat Geog Mag 5:93-96 (1893)

93b ... on the auriferous gravel of lacustral origin in the region of Taylorsville, Cal. Am J Sc (3) 46:398-399 (1893)

94 Tertiary revolution in the topography of the Pacific coast. U S G S, An Rp 14 pt 2:397-434, map (1894). In part (with title, Revolution in the topography of the Pacific coast since the auriferous gravel period) J G 2:32-54 (1894) (*abst*) Am J Sc (3) 46:74 (1893) Nature 53:466-467 (1896)

94a (and **Stanton, T. W.**) The Shasta-Chico series. G Soc Am, B 5:435-464 (1894) (*abst*) Am G 13:208 (1894); Am J Sc (3) 47:141 (1894)

94b (and **Schuchert, Charles**) Discovery of Devonian rocks in California. Am J Sc (3) 47:416-422 (1894)

95 Description of the Lassen Peak sheet (Cal). U S G S, G Atlas Lassen Peak fol (no 15): 4 pp, maps (1895; prel ed 1892) (*abst*) J G 3:974-976 (1895)

95a Mount Shasta; a typical volcano. Nat Geog Soc, Nat Geog Mon 1 no 8:237-268 (1895) Also in The physiography of the United States (Nat Geog Soc): 237-268, N Y, American Book Co (1896) (*abst*) Petermann't Mitt 1895 (Beil zum 41):175 (1895)

96 A geological reconnaissance in northwestern Oregon. U S G S, An Rp 17 pt 1:441-520, map (1896) (*abst*) Petermann's Mitt 1900 (Beil zum 46):127 (1900)

97 Hornblende basalt in northern California. Am G 19:253-255 (1897)

98 The educational series of rock specimens collected and distributed by the United States Geological Survey. U S G S, B 150:400 pp (1898); reprint (1902)

99 Latest volcano eruptions of the Pacific coast. Science (n s) 9:639-640 (1899)

01 Geomorphogeny of the Klamath Mountains. (*abst*) G Soc Am, B 12-461 (1901) Science (n s) 13:97 (1901) G Zentralbl 3:537 (1903)

02 Topographic development of the Klamath Mountains. U S G S, B 196:69 pp, map, 13 pls (1902) (*abst*) G Zentralbl 7:304-307 (1905)

02a Copper in northern California. M Sc Press, 85:62, 72 (1902) (*abst*) G Zentralbl 5:191 (1904)

02b The copper region of northern California (*abst*) Science (n s) 15:823 (1902) Eng M J 73:857-858 (1902) G Zentralbl 4:428 (1904)

03 Copper deposits of the Redding region, Cal. U S G S, B 213:123-132 (1903) (*abst*) G Zentralbl 5:394-395 (1904) Eng M J 77:729 (1904)

Diller, Joseph Silas—Cont.

03a Iron ores of the Redding quadrangle, Cal. U S G S, B 213:219-220 (1903) (*abst*) G Zentralbl 5:196 (1904)

03b Limestone of the Redding district, Cal. U S G S, B 213:365 (1903) (*abst*) G Zentralbl 7:602 (1906)

03c Klamath Mountain section, Cal. Am J Sc (4) 15:342-362 (1903)

04 Mining and mineral resources in the Redding quadrangle, Cal, in 1903. U S G S, B 225:169-179 (1904) (*abst*) G Zentralbl 9:346 (1907) Eng M J 77:729 (1904)

04a The composition and structure of the Klamath Mountains. (*abst*) Science (n s) 19:794 (1904) G Zentralbl 9:378 (1907)

05 The Bragdon formation. Am J Sc (4) 19:379-387, 1 fig (1905)

05a Mineral resources of the Indian Valley region, Cal. U S G S, B 260:45-49 (1905) (*abst*) G Zentralbl 10:343 (1908)

06 Description of the Redding quadrangle, Cal. U S G S, G Atlas Redding fol (no 138): 14 pp, maps (1906)

06a Drainage of the Taylorsville region, Cal., during the auriferous gravel period. (*abst*) Science (n s) 23:814 (1906)

07 Asbestos. U S G S, Min Res, Calendar Year 1906:1123-1129, California 1124, 1126, 1128 (1907)... 1907:711-722, California 722 (1908)... 1908:697-706, California 706 (1909)... 1909:721-729, California 729 (1911)... 1911:995-1001, California 998-999 (1912)... 1912:985-995, California 992, 994 (1913)... 1913:339-372, California 347-348 (1914)... 1914:93-102, California 93, 98-99 (1916)... 1915: 13-18, California 13, 16, 18 (1917)... 1916:19-24, California 19-21 (1919)... 1917:197-204, California 197, 201-202 (1920)... 1918:545-556, California 551 (1921)... 1919: 299-307, California 299, 304 (1922)

07b Age of the prevolcanic auriferous gravels in California. Wash Ac Sc, Pr 8:405-406 (1907) (*abst*) G Zentralbl 14:324 (1910)

08 Geology of the Taylorsville region, Cal. U S G S, B 353:128 pp, map (1908)

08a Local silification of the Knoxville. (*abst*) Science (n s) 27:411 (1908)

08b Strata containing the Jurassic flora of Oregon. G Soc Am, B 19:367-402, 4 figs (1908)

11 Talc. U S G S, Min Res, Calendar Year 1909:915-923, California 918 (1911)... 1910:977-986, California 979, 981-982 (1911)... 1911:1197-1203 California 1197, 1199, 1203 (1912)... 1912:1133-1160, California 1133, 1138, 1148 (1913)... 1913:153-163, California 153, 155, 157-160 (1914)... 1914:151-157, California 151-153 (1916)... 1915:61-64, California 61-62 (1917)... 1916: 25-28, California 25-26 (1919)... 1917:81-84, California 81-82 (1920)... 1918:557-563,

Diller, Joseph Silas—Cont.

California 557-559 (1921)... 1910:265-268, California 265 (1922)

11a The auriferous gravels of the Trinity River basin, Cal. U S G S, B 470: 11-29, map (1911) Eng M J 92:495-497 (1911)

13 Chromic iron ore. U S G S, Min Res, Calendar Year 1912:1047-1054, California 1047-1048, 1051 (1913)... 1913:29-39, California 29-30, 33-36 (1914)... 1914-1-15, California 1, 3, 5, 7-11 (1916)... 1915:1-6, California 1, 3-4 (1917)... 1916:21-37, California 21-24, 27-34 (1919)... 1917:37-47, California 38, 41, 44-46 (1920)... 1918:657-725, California 660-669, 674, 678-679 (1921)... 1919:87-91, California 87-89, 91 (1922)

14 Auriferous gravels in the Weaverville quadrangle, Cal. U S G S, B 540: 11-21, map (1914)

14a The Lassen eruption. Science (n s) 40:49-51 (1914)

14b The eruptions of Lassen Peak, Cal. Seism Soc Am, B 4:103-107 (1914) Mazama 4:54-59 (1914)

15 (and others) Guidebook of the western United States; Part D, The Shasta route and coast line. U S G S, B 614:142 pp, maps (1915) (*abst*) by **F. L.** Ransome, Wash Ac Sc, J 5:582 (1915) G Zentralbl 27:302 (1922)

15a The relief of our Pacific coast. Science (n s) 41:48-57 (1915) (*abst*) Science (n s) 41:513 G Soc Am, B 26: 111 (1915) G Zentralbl 27:302 (1922)

15b The recent eruptions of Lassen Peak, Cal. (*abst*) Wash Ac Sc, J 5:31-32 (1915) G Soc Am, B 26:105 (1915) Science (n s) 41:510 (1915)

15c (with **Holway, R. S.**) Characteristics of the Lassen Peak eruptions of May 20-22, 1915. (*abst*) G Soc Am, B 26:397 (1915)

16 Mount Shasta, some of its geological aspects. Mazama 4:11-16 (1915) (*abst*) Wash Ac Sc, J 6:147-148 (1916) G Zentralbl 27:302 (1922)

16a The volcanic history of Lassen Peak. Science (n s) 43:727-733 (1916)

16b Lassen Peak, our most active volcano. Seism Soc Am, B 6:1-7 (1916)

16c Geologic history of Lassen Peak (*abst*) Wash Ac Sc, J 6:404-406 (1916)

17 Was the new lava from Lassen Peak viscous at the time of its eruption? (*abst*) Wash Ac Sc, J 7:82 (1917)

19 Recent studies of domestic chromite deposits. Am I M Eng, B 153:1995-2040, 29 figs (1919) Tr 63:105-149, 26 figs (1920)

21 Chromite in the Klamath Mountains, California and Oregon. U S G S, B 725: 1-35, 6 figs, 5 pls (1921) (*abst*) Wash Ac Sc, J 12:72 (1922) G Zentralbl 31:330 (1925) Rv Geol et Sci conn 3:67 (1922)

Diller, Joseph Silas—Cont.

24 (and **Kay, G. F.**) Description of the Riddle quadrangle, Oregon. U S G S, G Atlas Riddle folio no 218:8 pp, 8 figs, 3 maps (1924) (*abst*) Rv Geol et Sci conn 6:127 (1925)

Dillon, M.

52 Sur les richesses minerales de la Californie. An Mines (5) 1:597-598 (1852)

52a Sur l'état de l'industrie aurifere en Californie. An Mines (5) 1:601-602 (1852)

Dimond, W. H.

90 Precious metals in California. *In* E. O. Leech, Report of the U. S. Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar year 1889: 93-143 (1890)... 1890:99-125 (1891)... 1891: 141-171 (1892)... 1892:88-117 (1893)

Dittmar, M. E.

99 Northern California's Resources. *In* California mines and minerals (pub by California Miners' Association): 370-379, San Francisco, Cal (1899)

Dodd, Harold V.

26 Dominguez oil field. Cal St M Bur, Summary of Operations, California Oil Fields An Rp 12, no 4:7-20, 9 pls (October, 1926) (*abst*) Eng Index 1927:582 (1928)

Dolbear, C. E.

13 The Searles Lake potash deposit, Cal. Eng M J 95:259-261 (1913)

Dolbear, Samuel H.

10 Occurrence of tungsten in Rand district, Cal. Eng M J 90:904-905 (1910)

10a Dry placer mining in California. Eng M J 89:359 (Feb 12, 1910)

11 Tungsten in California in 1910. Min Ind 19:661-662 (1911)... Eng M J 91:86 (1911)

14 The saline deposits of Searles Lake, Cal. M World 41:797-800 (1914)

15 The manganese industry in California. M Sc Press 110:172 (1915)

15a The Ladd manganese mines, Cal. M Sc Press 110:285 (1950)

15b Borax. Min Ind, 22:76-79, California 76-77 (1915)...

15c Potash. Min Ind, 23:617-622, California 617-622 (1915)...

15d Magnesite deposits and possibility in California. M Sc Press 110:105-108 (1915) (*abst*) Eng Index 1915:355 (1915)

15e Chromite possibilities in California. M Sc Press 110:356-359 (March 6, 1915)

15f Infusorial earth deposits of California. M Sc Press 110:580-583 (April 10, 1915)

Dolbear, Samuel H.—Cont.

16 Chromium. Min Ind, 24:82-86, California 83-84 (1916)... 25:100-105, California 101-103 (1917)... 26:88-93, California 88-89, 91-92 (1918)... 27:87-92, California 89-90 (1919)... 28:77-82, California 80-81 (1920)

16a Magnesite. Min Ind, 24:473-475, California 474-475 (1916)... 25:476-484, California 480-481 (1917)... 26:405-414. California 405-407 (1918)... 27:453-458, California 453-454 (1919)... 28:433-441, California 434, 436, 437-439 (1920)... 29:437-442, California 437, 439-440 (1921)... 30:442-448, California 442, 444 (1922)... 31:451-456, California 452 (1923)... 32:426-432, Califorfornia 428-429 (1924)

20 The future of chromite in the United States. M Sc Press 120:645-646 (May 1, 1920)

Dole, Richard Bryant (1880-1917).

14 Mineral waters. U S G S, Min Res, Calendar Year 1913:393-440, California 395-396, 398, 400, 404-405 (1914)... 1914:175-219, California 177-180, 185-187, 216 (1916)... 1915:307-344, California 308-309, 311, 316-317 (1917)

16 (with **Mendenhall,** W. C., and **Stabler,** H.) Ground water in San Joaquin Valley, Cal. U S G S, W-S P 398:310 pp, maps (1916) (*abst*) Wash Ac Sc, J 6:502-503 (1916)

Dolman, C. D.

19 Magnesite; its geology, products, and their uses. Am I M Eng, B 152:1193-1202, 2 figs. (August 1919) (with discussion) Tr 63:175-187, 2 figs (1920)

Dolman, S. G.

28 Tar sands in the town-lot area of Huntington Beach oil field. Cal St M Bur, Summary of Operations California Oil Fields, 13, no 12:5-16, 7 pls (1928) (*abst*) Eng Index 1929:1308 (1930)

Donnay, Joseph D. H.

29 Un aspect de l'enseignment de la géologie et de la topographie aux Etats-Unis. Rv Univ Mines (8) 1:273-283 (1929)

29a The Engels copper deposit, Plumas County, California. Abstracts of Dissertations Stanford University, B (5) no 78, 4:77-80 (1929)

29b (and **Farrell,** J. H.) Etude de la foot hill copper belt de Californie comme source possible d'approvisionnement en minerais de zinc (a study of the foothill copper belt as a possible source of supply for the Belgian zinc smelting). Rv Univ Mines (8) 1:12-17 (Jan 1, 1929) (*ann*) An Bib Ec G 2:53 (1929)

Doolittle, J. E.

05 Gold dredging in California. Cal St M Bur, B 36:7-108, maps (1905)

Doolittle, J. E.—Cont.

07 Dragaje de oro en California. Bol Soc Nac Min (3) 18:332-360, 409-428 (1907)

Dorf, Erling.

30 Pliocene floras of California. Reprint Carnegie Inst, Wash, Pub 412:1-108 (October 1930)

Dornbach, W. E.

25 Magnesite. Min Ind, 33:460-471, California 461-463 (1925)

Dorsey, J. A.

29 (and **Phillips,** E. R.) Quartz. U S G S, Min Res, Calendar Year 1926:169-173, California 170-171 (1929)

Dougherty, E. Y.

27 Magnetite deposits of Madera County, California, constitutes important reserves. Eng M J 123:765-770, 7 figs (1927) (*abst*) G Zentralbl 36:122 (1927)

Douglas, E. M.

97 (with **Wilson,** H. M., **Renshawe,** J., H., and **Goode,** R. U.) Triangulation and spirit leveling. U S G S, An Rp 18, pt 1:131-433, pls 2-4, California 403-422, (1897)... An Rp 19, pt 1:145-408, California 381-408 (1898)... An Rp 20, pt 1:211-530, California 457-470 (1899)... An Rp 21, pt 1:205-582, California 524-552 (1900)

01 (with **Wilson,** H. M., **Renshawe,** J. H., and **Goode,** R. U.) Results of spirit leveling, fiscal year 1900-1901. U S G S, B 185:219 pp, California 155-194 (1901)

01a (with **Wilson,** H. M., **Renshawe,** J. H., and **Goode,** R. U.) Primary triangulation and primary traverse. Fiscal year 1900-1901. U S G S, B 181:240 pp, California 208-223 (1901)... 1901-1902 201: 164 pp, California 138-155 (1902)

23 Boundaries, areas, geographic centers and altitudes of the United States and the several states, U S G S, B 689: 234 pp il (1923) Second edition U S G S, B 817:265 il (1930)

Douglas, J. S.

08 A California cloudburst. Cal Phys Geog Club, B 2, no 1:28-30 (1908)

Drake, Noah Fields.

97 The topography of California. J G 5:563-578 (1897) (*abst*) Petermann's Mitt 1897 (Beil zum 43):185 (1897)

Driver, Herschel L.

24 (and **Hanna,** G. Dallas) The study of subsurface formations in California oil field development. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 10, no 3:5-26, 10 figs (September, 1924) G Zentralbl 38:479 (1929)

Driver, Herschel L.—Cont.

28 Foraminiferal section along Adams Canyon, Ventura Co, Cal. Am As Petroleum G 12:753-756, 1 pl (1928) (*ann*) An Bib Ec G 2:399 (1929) J Paleontology 4:199 (1930) (*abst*) G Zentralbl 38:479 (1929) N Jb 1929, Ref 3:259, 390 (1929) (*abst*) Eng Index 1928:1376 (1929)

Dron, R. W.

00 Gold mining in the Sierra Nevada, California. G Soc Glasgow, Tr 11:265-266 (1900)

Drury, C. W.

25 Cobalt. Min Ind, 33:164-167, California 164 (1925)

Dubendorf, H. H.

24 (with **Overbeck**, R. M., and **Schwennesen**, A. T.) The Long Beach oil field (California) and its problems. Am As Petroleum G, B 8:403-423, 6 figs, 1 pl (1924)

DuBois, P. C.

02 (with **Anderson**, F. M., **Tibbitts**, J. H., and **Tweedy**, G. A.) The copper resources of California. Cal St M Bur, B 23:282 pp, 69 il, 9 maps (1902)

Dudley, William L.

85 Iridium. U S G S, Min Res, Calendar Year 1883-84:581-591, California 581-582 (1885)

Dumble, Edwin Theodore.

12 Notes on Tertiary deposits near Coalinga oil field (Cal.) and their stratigraphic relations with the upper Cretaceous. J G 20:28-37 (1912) G Zentralbl 18:552 (1912)

Dunlop, J. P.

17 Antimony. U S G S, Min Res, Calendar Year 1915:723-733, California 726 (1917)

17a Chromium. U S G S, Min Res, Calendar Year 1915:723-733, California 728 (1917)

17b Lead. U S G S, Min Res, Calendar Year 1915:723-733, California 731 (1917)

17c Manganese ore. U S G S, Min Res, Calendar Year 1915:723-733, California 728 (1917)

17d Platinum. U S G S, Min Res, Calendar Year 1915:723-733, California 726 (1917)

17e Quicksilver ore. U S G S, Min Res, Calendar Year 1915:723-733, California 729-730 (1917)

17f Tungsten. U S G S, Min Res, Calendar Year 1915:723-733, California 728 (1917)

Dunlop, J. P.—Cont.

17g Zinc. U S G S, Min Res, Calendar Year 1915:723-733, California 731-733 (1917)

19 (and **McCaskey**, H. D.) Gold and silver. U S G S, Min Res, Calendar Year 1915:767-803, California 767-768, 775, 777-778, 785-799 (1919)... 1916:679-721, California 679-680, 692-693, 695-696, 703-718 (1919)

20 (and **McCaskey**, H. D.) Gold and silver. U S G S, Min Res, Calendar Year 1917:605-651, California 605-606, 619-620, 623, 630-636, 638-648 (1920)

21 Gold and silver. U S G S, Min Res, Calendar Year 1918:727-781, California 727-728, 733, 745-746, 749, 756-759, 761-763, 766-770, 772-777 (1921)... 1919:665-709, California 665-666, 671, 677, 681, 688, 690, 692, 697-698, 701-702, 705-706 (1922)... 1920:511-548, California 511-512, 521, 524-525 (1922)... 1921:429-466 California 429-430, 439, 440-443, 448, 450-463 (1924)... 1922:595-635, California 595-596, 605-607, 609, 615, 617, 620-621, 623, 625, 628-633 (1925)... 1923:549-585, California 549-550, 559-563, 568, 570, 572-574, 576-582 (1927)... U S B M, Min Res, 1924:503-540, California 503-504, 513-516, 524, 527-538, 540 (1927)... 1925:731-768, California 731-732, 739-740, 743, 748, 750-751, 753, 759, 762 (1928)... 1926:673-709, California 673-675, 681, 683, 684-685, 690-693, 696-708 (1929)... 1927:599-636, California 599, 600, 606, 607, 610-611 (1929)

Dunn, J. E.

19 (with **Pendleton**, R. L., **Nelson**, J. W., **Strahorn**, A. T., **Watson**, E. B., and **Lapham**, M. H.) Soil survey of the Riverside area, California. U S Dp Agr, Bur Soils, Rp 17:2367-2450, pls 61-64, map no 62 (1919)

21 (and others) Reconnaissance soil survey of the central southern area, California. U S Dp Agr, Bur Soils Field Operations, 1917, advance sheets (1921)

21a (with **Nelson**, J. W., **Zinn**, C. J., **Strahorn**, A. T., **Watson**, E. B., and **Lapham**, Macy H.) Soil survey of the Los Angeles area. U S Dp Agr, Bur Soils, Rp 18:2347-2420, pls 66-68 map no 59 (1921)

23 (with **Holmes**, L. C., **Strahorn**, A. T., **Guernsey**, J. E., and **Lapham**, M. H) Reconnaissance soil survey of the central southern area, California. U S Dp Agr, Bur Soils, Rp 19:2405-2534, pls 59-63, maps nos 57-58 (1923)

Dunn, R. L.

84 Drift mining of California. *In* H. C. Burchard, Report of the U S. Director of the Mint upon the production of the precious metals during the Calendar Year 1883:732-737 (1884) Eng M J 38:

Dunn, R. L.—Cont.

406-408 (1884) M Sc Press 53:105-106 (1886) Cal St M Bur, An Rp 8:736-770 (1888)

93 Siskiyou, Trinity counties. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:420-452, 480-484 (1893)

94 Auriferous conglomerate in California. Cal St M Bur, Rp 12:459-471, map (1894)

Dunnington, F. P.

91 Distribution of titanic oxide upon the surface of the earth. (Determination of titanic oxide in six specimens of soils from California) Am J Sc (3) 42:491-495 (1891)

Durand, F. E.

73 Description of a new mineral from the New Almaden mine. Cal Ac Sc, Pr 4:218 (1873)

73a Note on crystals of quartz of a red color by the interposition of cinnabar. Cal Ac Sc, Pr 4:211 (1873)

73b Notes on the crystallization of metacinnabarite. Cal Ac Sc, Pr 4:219-220 (1873)

Durst, David M.

16 Physiographic features of Cache Creek in Yolo Co, Cal. Cal Univ, Pub Geog 1:331-372, map (1916)

Durst, Fred M.

08 Glacial cirques. Mt. Whitney region. Cal Phys Geog Club, B 2:8-14 (1908)

Dutton, C. E.

84 Report, volcanic division. U S G S, An Rp 4, 1882-1883:22-23 (1884)... 5, 1883-1884:42-43 (1885)... 6, 1884-1885:59-60 (1885)... 7, 1885-1886:97-103 (1888)... 8, 1886-1887 pt 1:156-165 (1889)... 9, 1887-1888:96-98 (1889)

85 The latest volcanic eruption in the United States (Lassen Peak, 1883). Science 6:46-47 (1885)

91 The crystalline rocks of northern California and southern Oregon. Int G Cong, 4, London, 1888, C R: 176-179 (1891)

Duvall, C. R.

11 (and **Baldwin**, A. L.) Triangulation in California. U S, Coast S, Rp Supt 1910, App 5:173-429, 40 ill (1911)

Dyk, Robert.

30 (and **Byerly**, Perry) The registration of earthquakes at the Berkeley station and at the Lick Observatory station from April 1, 1929, to September 30, 1929. Cal Univ, Seism Sta, B 2, no 18:361-397 (March 11, 1930)

Dyk, Robert—Cont.

30a (and **Byerly**, Perry) The registration of earthquakes at the Berkeley station and the Lick Observatory station from October 1, 1929, to March 31, 1930. Cal Univ, Seism Sta, B 2, no 19:399-439 (1930)

Eakins, L. G.

90 Eruptive rocks from northern California. (Analyses) U S G S, B 64, p 50 (1890)

Eakle, Arthur Starr (1862-1931).

01 Mineralogical notes; with chemical analyses by W. T. Shaller. Cal Univ, Dp G, B 2:315-325 (1901)

02 Colemanite from southern California. Cal Univ, Dp G, b 3:31-50 (1902) (*abst*) Science (n s) 15:417 (1902)

03 Note on the identity of palacheite and botryogen. Am J Sc (4) 16:379-380 (1903)

04 Phosphorescent sphalerite (Mariposa Co., Cal.). Cal J Tech 3:30-31 (1904)

04a (and **Sharwood**, W. J.) Luminescent zinc blende (Mariposa Co., Cal.). Eng M J 77:1000 (1904)

06 Palacheite. Cal Univ, Dp G, B 3:231-236 (1906)

07 Notes on lawsonite, columbite, beryl, barite, and calcite. Cal Univ, Dp G, B 5:81-94 (1907) (*abst*) N Jb 1908, 2 (Referate): 29-30 (1908)

08 Notes on some California minerals. Cal Univ, Dp G, B 5:225-233 (1908)

08a California minerals. M Sc Press 96: 98-99 (1908) (*abst*) Eng Index 1908:371 (1909)

11 Neocolemanite, a variety of colemanite, and howlite from Lang, Los Angeles Co., Cal. Cal Univ, Dp G, B 6:179-189 (1911) (*abst*) G Soc Am, B 23:70 (1912)

14 Minerals of California. Cal St M Bur, B 67:226 pp (1914) G Zentralbl 27:226 (1922)

14a (and **Rogers**, A. F.) Wilkeite, a new mineral of the apatite group, and okenite, its alteration product, from southern California. Am J Sc (4) 37:262-267, 1 fig (1914)

14b Some contact-metamorphic minerals in crystalline limestone at Crestmore, near Riverside, Cal. (*abst*) G Soc Am, B 25: 125 (1914)

16 Xanthophyllite in crystalline limestone. Wash Ac Sc, J 6:332-335 (1916)

17 Minerals associated with the crystalline limestone at Crestmore, Riverside Co., Cal. Cal Univ, Dp G, B 10:327-360 (1917) Min Absts 1:20 (1920) (*abst*) G Zentralbl 29:514 (1923)

19 Alpine County. Cal St M Bur, St Mineralogist's Rp 15:5-27 (1919) issued as separate under title Mines and Mineral Resources of Alpine County, Inyo County,

Eakle, Arthur Starr—Cont.

Mono County (1916) (*abst*) G Zentralbl 27: 394 (1922)

19a (and **McLaughlin,** R. P.) Mono County. Cal St M Bur, St Mineralogist's Rp 15:135-175 (1919) issued as separate under title Mines and Mineral Resources of Alpine County, Inyo County, Mono County (1916) (*abst*) Eng Index 1918:325 (1919)

20 New rare minerals formed in limestone by contact metamorphism. (*abst*) G Soc Am, B 31:162-163 (1920)

20a Vonsenite; a preliminary note on a new mineral from Riverside, California. Am Mineralogist 5:141-143 (1920) Min Absts 1:122 (1920)

21 Jurupaite, a new mineral (Crestmore, near Riverside, California). Am Mineralogist 6:107-109 (1921) Min Absts 1:253-254 (1922)

22 Massive troilite from Del Norte County, California. Am Mineralogist 7:77-80 (1922) Min Absts 2:43 (1923)

23 Minerals of California. Cal St M Bur, B 91:328 pp (1923) Min Absts 3:29 (1926) (*abst*) Eng Index 1923:448 (1924)

25 Camsellite from California. Am Mineralogist 10:100-102 (1925) Min Absts 2: 565 (1925)

25a Foshagite, a new silicate from Crestmore, Cal. Am Mineralogist 10:97-99 (1925) Min Absts 2:520 (1925)

27 Famous mineral localities. Crestmore, Riverside Co., Cal. Am Mineralogist 12:319-321 (1927) Min Absts 3:446 (1928)

29 Probertite, a new borate. Am Mineralogist 14, no 11:427-430, 4 figs (November 1929) Min Abst 4:245 (1930)

Eardley-Wilmot, V. L.

25 Molybdenum: metallurgy and uses and the occurrence, mining and concentration of its ores. Can Dp Mines, Mines Br, Rp 592:292 pp, California 174 (1925)

27 Abrasives. Min Ind, 35:1-10, California 6, 7 (1927)... 36:1-10, California 5, 6 (1928)... 37:1-11, California 5, 7 (1929)

28 Diatomite Can Dp Mines, Mines Br, Rp 691:182 pp, California 39, 94, 98-102, 122-124, 141-142 (1928)

30 Diatomite. Min Ind 38:208-222, California 212-213 (1930)

30a Quicksilver, past and present. Can M J 51:540-544, California 542 (1930)

Eaton, F. M.

10 (and **Van Winkle,** Walton) The quality of the surface waters of California. U S G S, W-S P 237:142 pp, 1 pl (1910)

Eaton, J. E.

23 Structure of Los Angeles Basin and environs. Oil Age 20, no 6:8-9, 52, 2 figs (1923) 21, no 1:16-18, 52, 54, 3 figs (1924)

Eaton, J. E.—Cont.

26 A contribution to the geology of Los Angeles Basin, California. Am As Petroleum G, B 10:753-767, 2 figs (map and sections) (1926) Oil Bull 12:970-977, 1037, 2 figs (1926) (*abst*) G Zentralbl 38:430 (1929) Rv Geol et Sci conn 7:636-637 (1926)

26a The Ventura oil field, California; a brief review of its stratigraphy and structure. Oil Bull 12:521-524, 2 figs (1926) (*abst*) Eng Index 1926:534 (1927)

26b Geology and oil fields of Ventura Basin, Ventura County, Cal. Oil Age 23: 16-18, map (1926)

26c Future oil production of California. Oil Gas J 25:40, 169, 172 (December 30, 1926)

26d Geology of the Dominguez oil field. Oil Gas J 25:32, 72 (Aug 19, 1926) Petroleum World (Los Angeles), 11:70, 72, 116, 118 (September, 1926) (*abst*) Eng Index 1926:534 (1927)

26e Some deep wells in Los Angeles Basin and their rocks. Oil Age, 23:15-16 (September, 1926)

26f Ventura field controlled reservoir. Largest future producing factor in California can be accelerated or retarded. Santa Paula segregation. Oil Gas J 25:72, 158-160 (November 11, 1926)

27 Peak of Huntington Beach field past. Oil Gas J 25:75, 79 (February 24, 1927)

27a Ventura Avenue field may have stabilizing influence on California oil production. Pet World (Los Angeles), 12:55, 146 (February, 1927)

27b Alamitos Heights production improved by deeper penetration: second zone materializes. Petroleum World (Los Angeles), 12:61, 68 (July, 1927)

27c Alamitos Heights extension of Seal Beach holds California record for drilling activity. Petroleum World (Los Angeles), 12:62-63 (April, 1927)

27d The Potrero oil fields. Oil Bull 13, no 11:1154, 1215 (November, 1927)

27e Review of Huntington Beach field discussing reserves and continued activity. Oil Age, 24:11-12 (February, 1927)

28 Division and duration of the Pleistocene in southern California. Am As Petroleum G, B 12:111-141, 6 figs (1928) (*ann*) An Bib Ec G 1:203 (1928) (*abst*) G Zentralbl 38:478-479 (1929) Rv Geol et Sci conn 9:275-276 (1928) NJb 1929, Ref 3: 392-393 (1929) G Zentralbl 37:510-511 (1928) (*abst*) Eng Index 1928:1376 (1929)

28a Discussion, Pleistocene of southern California. Am As Petroleum G, B 12: 559-560 (1928)

28b How California has conserved oil. Oil Bull, 14, no 10:1030-1032 (October, 1928) (*ann*) An Bib Ec G 1:226 (1928)

28d Deep zone opened at Santa Fe Springs and two new fields discovered in

Eaton, J. E.—Cont.

California. Oil Age, 25, no 8:34-37, (August, 1928) (*ann*) An Bib Ec G 1:228 (1928)

29 The by-passing and discontinuous deposition of sedimentary materials. Am As Petroleum G, B 13:713-761, 12 figs (1929)

Ebert, F. C.

17 (and **McGlashan,** H. D.) Southern California floods of January, 1916. U S G S, W-S P 426:81 pp, 17 pls (1917)

21 Records of water levels in wells in southern California. U S G S, W-S P 468:156 pp, 4 pls (1921) G Zentralbl 27:110 (1921)

Eckel, Edwin Clarence.

04 The slate deposits of California and Utah. U S G S, B 225:417-422 (1904)

04a The salt industry in Utah and California. U S G S, B 225:488-495 (1904) (*abst*) G Zentralbl 9:438 (1907)

04b On a California roofing slate of igneous origin. J G 12:15-24 (1904)

05 Cements, limes and plasters... 712 pp, N Y (1905)

05a The American cement industry. U S G S, B 260:496-505, California 498, 501 (1905)

05b (and others) Cement materials and industry of the United States. U S G S, B 243:395 pp, maps (1905) (*abst*) G Zentralbl 9:13 (1907)

06 Gypsum. U S G S, Min Res, Calendar Year 1905:1105-1115, California 1107, 1111, 1113 (1906)

06a Slate deposits of California. *In* Dale J. Nelson, Slate deposits and slate industry of the United States. U S G S, B 275:56-59 (1906) (*abst*) G Zentralbl 8:513 (1906)

06b Lime and sand-lime brick. U S G S, Min Res, Calendar Year 1905:1003-1006, California 1003, 1005-1006 (1906)... 1906:985-991, California 986, 990 (1907)... 1907:545-551, California 547, 551 (1908)

07 Manganese ores. U S G S, Min Res, Calendar Year 1906:103-109, California 104 (1907)

08 Iron ores. U S G S, Min Res, Calendar Year 1907:51-85, California 53, 56-57 (1908)

08a Cement. U S G S, Min Res, Calendar Year 1907:477-493, California 478, 479, 484, 488 (1908)... 1908:441-453, California 443-444 (1909)

12 Building stone and clays. 264 pp, N Y 1912, California 54-55, 83, 100-101, 107, 139, 169, 176, 240 (1912)

13 Portland cement materials and industry in the United States; with contributions by Ernest F. Burchard, A. F. Crider, G. B. Richardson, Eugene A. Smith, J. A. Taff, E. O. Ulrich, and W. H. Weed. U S G S, B 522:401 pp, maps (1913) (California pp 116-122)

Eckel, Edwin Clarence—Cont.

14 Slate in Eldorado and Merced counties, California. *In* Dale J. Nelson, Slate in the United States. U S G S, B 586: 65-70 (1914)

14a Iron ores; their occurrence, valuation and control. 430 pp, N Y 1914, California 268-271 (1914)

20 Coal, iron and war; a study in industrialism past and future. 375 pp, N Y 1920; London 1921. California; gold 14, 38, 143-144, 240. Petroleum 128 (1920)

22 Cements, limes and plasters. 2d ed, 655 pp (1922), California 21, 60, 151-153, 158, 160, 219, 282, 302, 408 (1922)... 3d ed, 699 pp, N Y 1928. California; bauxite 640 (1928)

Eckis, Rollin.

28 Alluvial fans of the Cucamonga District, southern California. J G 36:224-247 (1928)

Eckmann, E. C.

12 (and **Holmes,** L. C.) Soil survey of the Red Bluff area, California. U S Dp Agr, Bur Soils, Rp 12:1601-1656, pls 28-29, map no 41 (1912)

12a (with **Strahorn,** A. T., **Westover,** H. L., **Holmes,** L. C., **Nelson,** J. W., and **Van Duyne,** Cornelius) Soil survey of the Madera area, California. U S Dp Agr, Bur Soils, Rp 12:1717-1753, 1 pl, map no 43 (1912)

15 (with **Strahorn,** A. T., **Nelson,** J. W., and **Holmes,** L. C.) Soil survey of the Fresno area, California. U S Dp Agr, Bur Soils, Rp 14:2089-2166, pls 29-31 and pl A, map no 53 (1915)

19 (with **Holmes,** L. C., **Harrington,** G. L., **Guernsey,** J. E., **Zinn,** C. J., and **Lapham,** Macy H.) Soil survey of the San Fernando Valley area, California. U S Dp Agr, Bur Soils, Rp 17:2451-2507, pls 65-68, map no 63 (1919)

19a (with **Zinn,** C. J., and **Lapham,** Macy H.) Soil survey of the Pasadena area, California. U S Dp Agr, Bur Soils, Rp 17:2315-2366, pls 58-60, map no 61 (1919)

19b (with **Guernsey,** J. E., **Koeber,** James, **Zinn,** C. J., and **Lapham,** Macy H.) Soil survey of the Honey Lake area, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2255-2314, pls nos 56-57 and pl C, map no 60 (1919)

19c (with **Holmes,** L. C., **Guernsey,** J. E., **Nelson,** J. W., and **Lapham,** M. H.) Reconnaissance soil survey of the lower San Joaquin Valley, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2583-2733, pls 73-75, map no 65 (1919)

Eckmann, E. C.—Cont.

21 (with **Strahorn**, A. T., **Holmes**, L. C., **Guernsey**, J. E., **Lapham**, Macy H.) Soil survey of the Anaheim area, California. U S Dp Agr, Bur Soils, Rp 18:2271-2345, pls 63-65, map no 58 (1921)

21a (with **Holmes**, L. C., **Nelson**, J. W., **Guernsey**, J. E., **Lapham**, M. H.) Reconnaissance soil survey of the middle San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 18:2421-2529, pls 59-61, map no 60 (1921)

21b (with **Nelson**, J. W., and **Dean**, W. C.) Soil survey of the Upper San Joaquin Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1917:116 pp, 4 pls, 1 fig, 1 map (1921)

23 (with **Nelson**, J. W., **Dean**, W. C., **Lapham**, M. H.) Reconnaissance soil survey of the upper San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 19:2535-2644, pls 64-67, map no 59 (1923)

24 (with **Strahorn**, A. T., **Watson**, E. B., **Kocher**, A. E., **Hammon**, J. B., **Lapham**, M. H.) Soil survey of the El Centro area, California. U S Dp Agr, Bur Soils, Rp 20:1233-1687, pls 27-30, maps nos 43-44 (1924)

Eddy, L. H.

06 (and others) The structural and industrial materials of California. Cal St M Bur, B 38:412 pp (1906)

11 Quicksilver industry in California for 1910. Min Ind 19:592-593 (1911)... 1911, 20:651-652 (1912)... 1912, 21:744-745 (1913)

11a Magnesite in California in 1910. Eng M J 91:226 (1911)

11b Copper in California in 1910. Eng M J 91:124 (1911)

11c Chromite in California. Eng M J 91:127 (1911)

11d California borax in 1910. Eng M J 91:122 (1911)

12 Mining in California in 1911. Eng M J 93:61-62 (1912)... 1912 95:117-118 (1913) ... 1913 97:112-116 (1914)... 1914 99:107 (1915) (*abst*) Eng Index 1912: 449 (1913)

12a Dredges on upper American River. Eng M J 93: 997-1000, 1 map, 4 figs (1912)

12b Northern California gold dredging. Eng M J 93:607-610 (1912)

12c Quicksilver in California in 1911. Eng M J 93:38 (1912)... 1913 97:155-156 (1914)... 1914 99:68-69 (1915)

12d Forbestown District, California. Eng M J 94:167-170, 1017 (1912) (*abst*) Eng Index 1912:388 (1913)

13 The Mother Lode region, Cal. Eng M J 95:405-410, map (1913) (*abst*) Eng Index 1913:380 (1914)

14 Copper mining in Shasta County. Eng M J 97:1302-1303 (1914)

16 Sonoma magnesite mines, California. Eng M J 102:225-226 (1916)

Edman, J. A.

77 Geology of Plumas County, with map. *In* R. W. Raymond Eighth Report on Mineral Resources of the States and Territories west of the Mississippi. 1875:109-128 (1877)

94 Notes on the gold-bearing black sands of California. M Sc Press 69:294, 356, 372 (1894)

98 The platinum metals of Plumas Co., Cal. M Sc Press 77:401 (1898)

00 Outlines of structural geology. M Sc Press 80:672, 701, 733-734 (1900)

07 The auriferous black sands of California. Eng M J 83:1047-1048 (1907) Mines and Minerals 27:563 (1907) M Reporter 55:397 (1907) Cal St M Bur, B 45:5-10 (1907) (*abst*) G Zentralbl 12:15-16 (1909)

08 (and others) Copper resources of California. Cal St M Bur, B 50:366 pp (1908)

08a New discoveries in Plumas County. *In* The Copper Resources of California. Cal St M Bur, B 50:366 pp, 74 il (1908)

Edson, E. W.

30 (and **Hertel**, F. W.) Drilling mud practice in the Ventura Avenue Field. Am I M Eng, Tr (Petroleum development and technology 1930):382 (1930)

Edwards, A. M.

70 On the formation of deposits of fresh-water diatoms. Lyc N H N Y, Tr 1:109-128, 242-243, 290-293, 296 (1870)

71 The origin of guano and on infusorial deposits. Lyc N H, N Y, Tr 1 :229-234 (1871)

91 Report of the examination by means of the microscope of specimens of infusorial earths of the Pacific coast of the United States. Am J Sc (3) 42:369-385 (1891)

93 On marine fossil Diatomaceae from California and their geology. San Francisco Micr Soc, Tr 1:10-17 (1893)

08 The origin of petroleum in California. La Nuova Notarisia, Modena, Italy, ser 19:72-78 (1908)

Edwards, M. G.

17 California mineral production for 1915. (Review) Ec G 12:292-295 (1917)

Edwards, W. F.

83 Tourists' guide and directory of the Truckee basin. 137 pp (1883)

Edwords, Clarence E.

06 California's new coal fields. M World 24:245 (1906)

Egleston, T.

74 Notes of the treatment of mercury in North California. Am I M Eng, Tr 3:273-274 (1874-75) (*abst*) G Rec 1875:239-240 (1877)

Egleston, T.—Cont.

81 The formation of gold nuggets and placer deposits. Am I M Eng, Tr 9:633-646 (1881) North England Inst Min Mec Eng. Tr 31 (abstracts of foreign papers):42 (1882)

86 Working placer deposits in the United States. Sch Mines Q 7:101-131 (1886)

87 Drift-mining. Sch Mines Q 8:204-220 (1887)

Ehrenberg, Christian Gottfried (1795-1876).

53 Infusoria of California. Monatsb d k Pr Akad Wiss Berlin, Aug, 1852. Am J Sc (2) 16:134 (1853)

70 Ueber die Bacillarien-Bänke im Hochlande Californien. K Preuss Ak Wiss Berlin, Mber 1870:126-132 (1870)

70a Ueber die wachsende Kenntniss des unsichtbaren Lebens als felsbildende Bacilarien in Californien. K Preuss Ak Wiss Berlin, Mber 1870:259-264; Abh (phys): 1-74 (1870)

72 Ueber Prof. Whitney's neueste Erläuterungen der Californischen Bacillarien-Gebirge. K Preuss Ak Wiss Berlin, Mber 1872:124-139.

Eilers, A.

71 A new occurrence of the telluride of gold and silver. Am I M Eng, Tr 1:316-320 (1871-1873)

Eisen, Gustaf.

77 Om foglars förmåga att bidraga till sammanblandning af fossilförände jordlag. OEfv K Vet Akad Förh Årg 31, no 7:17-21, pl. (1875) (*abst*) G Rec 1875:404 (1877)

Ekblaw, George Elbert.

28 Clastic deposits in playas. Abstracts of Dissertations Stanford University, B (5), no 47, 2:155-159 (1928)

Ekman, A.

99 Mineral Resources of Butte County. *In* California mines and minerals (pub by California Miners' Association): 279-287, San Francisco, Cal (1899)

Eldridge, George Homans (1854-1905).

01 The asphalt and bituminous rock deposits of the United States. (*abst*) Science (n s) 13:428 (1901)

01a The asphalt and bituminous rock deposits of the United States. U S G S, An Rp 22 pt 1:209-452, maps (1901) (California 365-452 (*abst*) G Zentralbl 4:433 (1904)

02 The petroleum industry of California. Eng M J, 73:41 (1902)

03 Origin and distribution of asphalt and bituminous rock deposits in the United States. U S G S, B 213:296-305, California 302-304 (1903)

03a The petroleum fields of California. U S G S, B 213:306-321 (1903) (*abst*) G Zentralbl 5:252 (1904)

07 (and **Arnold**, Ralph) The Santa Clara Valley Puente Hills, and Los Angeles oil districts, southern Cal. U S G S, B 309: 266 pp, map (1907) (*abst*) G Zentralbl 12: 23-24 (1909)

Eliel, Leon T.

29 Aerial photography proves its importance to California geologists. Oil Bull 15:1177-1181, 1253 (1929) Cal Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 26:64-71 7 figs (Jan 1930)

Elliott, G. A.

29 (and **Louderback**, G. D., **Berkey**, C. P., **Hinderlider**, M. C., **Savage**, J. L., and **Williams**, I. A.) Report of the consulting board on the safety of the proposed San Gabriel Dam. Cal St, Dp Pub Wks, Div Water Resources Rp: 10 pp (November, 1929)

30 (**Berkey**, C. P., **Louderback**, G. D., **Savage**, J. L., and **Williams**, I A.) Report of the Consulting Board on the safety of the Mulholland Dam, Hollywood. Cal St, Dp Pub Wks, Div Water Resources, Rp:14 pp (June, 1930) (*ann*) Ann Bib Ec G 3:430 (1931)

Elliott, George R.

27 Correlation in Los Angeles Basin by lithology from drillers' logs and well cores. Oil Bull 13:573 (June, 1927)

28 History and geology of latest California field. Oil Weekly 50, no 12:31-33, 2 figs (September 7, 1928) (*abst*) Eng Index 1928:1297 (1928)

Elliott, W. W. & Co.

83 A guide to the grand and sublime scenery of the Sierra Nevada in the region about Mount Whitney. 60 pp (1883)

Ellis, A. J.

19 (and **Lee**, C. H.) Geology and ground waters of the western part of San Diego County, Cal. U S G S, W-S P 446:321 pp, 47 pls (1919) (*abst*) Rv Geol et Sci conn 3:334-335 (1922)

20 Mineral waters. U S G S, Min Res, Calendar Year 1917:483-520, California 484-486, 487, 494-495 (1920)... 1918:495-531, California 496-500, 505-506 (1921)... 1919: 115-119, California 116-117, 119-120, 124 (1922)

Ellis, W. H.

77 A California borax deposit. Can J (n s) 15:328-329 (1877) (*abst*) G Rec 1877: 232-233 (1880)

Elschner, Carl.

23 Kalifornisches Naturgas vegetablischen Ursprungs. Petrol. Ztsschr, Jahrg, 19:456-457, May 10 (1923)

Emley, Warren E.

13 (and **Burchard**, Ernest F.) The source, manufacture and use of lime. Min Res of U S (1913), Pt 2:1509-1593, California 1552

Emmens, Stephen H.

93 The Mother Lode. M Sc Press, 67: 419 (1893)

Emmons, Samuel Franklin (1841-1911).

77 (with **Hague**, A.) Descriptive geology. U S G Expl 40th Par (King), 2:890 pp (1877)

79 The volcanoes of the Pacific coast of the United States. Am Geog Soc, J 9:45-65 (1879)

90 Orographic movements in the Rocky Mountains. G Soc Am, B 1:245-286 (1890). (*abst*) Am Nat 24:211-212 (1890)

93 Progress of the precious metal industry in the United States since 1880. U S G S, Min Res, Calendar Year 1892: 46-94, California 50-56, 60-63 (1893)

94 Geological distribution of the useful metals in the United States. Am I M Eng, Tr 22:53-95, 732-738 (1894) (Discussion by John A. Church and Arthur Winslow and W. H. Merritt, Am I M Eng 24:755-756) (1894) Reprinted in Emmons, S. F. Ore deposits: 65-91, N Y (1913)

94a Geological distribution of the useful metals in the United States (quicksilver). Am I M Eng, Tr 22:85-86 (1894)

94b (and **Merrill**, G. P.) Geological sketch of Lower California. G Soc Am, B 5:489-514, map (1894) (*abst*) Am G 13:209-210 (1894)

07 Uinta Mountains. G Soc Am, B 18: 287-302, 1 pl, 2 figs, California 289 (1907)

Emmons, William Harvey.

26 Relations of metalliferous lode systems to igneous intrusives. Am I M Eng, Pamphlet 1571:42 pp., 23 figs. (1926) Tr 74:29-70, 23 figs (1926) (*abst*) M Met 7, no 234:263 (1926)

Emory, William Hemsley (1811-1887).

48 Notes of a military reconnaissance from Fort Leavenworth in Missouri to San Diego in California, including part of the Arkansas, Del Norte, and Gila Rivers. U S, 30th cong, 1st sess, S Ex Doc 7:5-126 (1848) H Ex Doc 41:5-126 (1848) Am J Sc (2) 6:376-392, 1 fig (1848)

49 (and **Fremont**, J. C.) Notes of travel in California, comprising the prominent geographical, agricultural, geological, and mineralogical features of the country; also the route to San Diego, in California, including parts of the Arkansas, Del Norte, and Gila rivers, 311 pp, Dublin (1849)

57 General description of the country adjacent to the boundary between the United States and Mexico. Am As, Pr 10 pt 2:134-148 (1857)

57a Report on the United States and Mexican boundary survey... U S, 34th cong, 1st sess, S Ex Doc 108 and H Ex Doc 135:258, 174 pp (v i), il, maps (1857)

Endlich, Frederic Miller (1851-1899).

96 Mining in the Mohave desert in California. Eng M J 62:197-198 (1896)

Engel, Rene.

28 Preliminary notes on the geology of Elsinore Valley, Cal. (*abst*) G Soc Am, B 39:267 (1928)

29 (and **Bohn**, Lloyd J.) Geological problems of radio activity of rocks and waters. (Summary statement) Pan Am G 51:372 (1929) (*abst*) G Soc Am, B 41: 154 (1930)

Engeln, O. D. von

30 Palisade glacier, Sierra Nevada Mountains, California (*abst*) G Soc Am, B 41:99 (1930) Pan Am G 53:136 (1930)

Englehardt, F. E.

93 Salt. Min Ind, 1:411-419, California 414, 415, 419 (1893)

Engelmann, Henry (1831-1899).

76 Report on the geology of the country between Fort Leavenworth, .K. T., and the Sierra Nevada near Carson Valley. *In* Simpson, J. H., Report of explorations across the Great Basin of the Territory of Utah in 1859:243-336, Washington (1876)

Engineering and Mining Journal.

76 ...quicksilver deposits of California, Eng M J 22:118 (1876) (*abst*) G Zentralbl 37:325 (1928)

76a Borax Lake, Panamint Valley, California. Eng M J 22:77 (1876)

76c Mineral statistics of California for 1875. Eng M J 21:132-133 (1876)

77 The Sulphur Bank quicksilver mines, California. Eng M J 23:203 (1877)

91 California petroleum developments. Eng M J 51:603 (1891)

Engineering and Mining Journal—Cont.

91a Production of the precious metals in 1889-1890. Eng M J 51:518 (1891)

92 Gold and silver production of California in 1891. Eng M J 53:24-26 (1892)

00 Mineral products of California for 1899. Eng M J 69:586 (1900)... 1900 72:36 (1901)... 1901 74:184-185 (1902)... 1902 75:12-13, 76:572, 589, 594 (1903)... 1903 78:463 (1904)... 1904 80:649 (1905)... 1905 82:876, 892, (1906)... 1906 84:1116 (1907)... 1907 86:731 (1908)... 1908 87:121-122, 88:737 (1909)... 1909 89:1315 (1910)... 1910 92:808 (1911)... 1911 94:611 (1912)... 1912 96:299, 853 (1913)

00a Gold and silver production of California for 1899. Eng M J 69:507-508 (1900)... 1900 71:776 (1901)... 1901 73:7-9 (1902)... 1902 75:12, 76:417, 589 (1903)... 1903 78:548 (1904)... 1904 79:3 (1905)... 1905 81:1, 139 (1906)... 1906 83:3, 84:1184 (1907)... 1909 89:106-107, 259, 333, 433 (1910)... 1910 92:626 (1911)... 1912 96:375, 604, 853, 890 (1913)

09 Magnesite. Eng M J 87:138, 292, 717 (1909)

09a Balaklala Consolidated Copper Company. Eng M J 87:501, 521, 1152 (1909) (*abst*) Eng Index 1909:346 (1910)

10 Petroleum development in San Joaquin Valley. Eng M J 89:964-966 (1910)

11 California gold production. Eng M J 91:378 (1911)

11a California metal production in 1910. Eng M J 92:626 (1911)... 1914 100:529 (1915)

12 Potash in Borax Lake, California. Eng M J 93:643 (1912)

12a Minerals and metals. Eng M J 94:611 (September, 1912)

13 California mineral industry. Eng M J 96:299 (1913)

13a Amargosa Valley nitrate products. Eng M J 95:236 (1913)

13b Strontium in California and Arizona. Eng M J 96:210 (1913)

15 Borax and borates in California in 1914. Eng M J 99:130 (1915)

15a Mineral production of California for 1914. Eng M J 100:1017 (1915)... 1908 88:737 (1909)

17 Domestic potash production. Eng M J 104:827-829 (1917) Chem Absts 12:296 (1917)

25 Beryl occurrences in California. Eng M J 120:890 (1925) G Zentralbl 37:375 (1928)

25a Kempite, a new manganese mineral from California. Eng M J 119:3, 1 fig (1925) (*abst*) G Zentralbl 36:319 (1928)

28 California kernite deposit most important source of borax in the world. Eng M J 125:551 (1928) (*abst*) G Zentralbl 39:430 (1929)

28a Bentonite—a mineral of many possibilities. Eng M J, 127:238 (1928)

Engineering and Mining Journal—Cont.

28b Clay industries of California. Eng M J 126:152 (1928)

28c California kernite deposit most important source of borax in the world. Eng M J 125:551 (1928)

Engineering News.

06 The San Francisco disaster: earthquake and fire ruin in the Bay counties of California. Eng News, 55, no 17:478-480, 1 fig (1906)

Engineering Record.

05 The diminished yield of underground waters in southern California. Eng Rec 52:405–407 (1905)

05a Measuring underflow. Eng Rec 51:344 (1905)

05b Underground-water development in southern California. Eng Rec, 52:266 (1905)

English, Walter Atheling.

14 The Fernando group near Newhall, Cal. Cal Univ, Dp G, B 8:203-218, il (1914)

14a The *Agasoma*-like gastropods of the California Tertiary. Cal Univ, Dp G, B 8:243-256, il (1914) (*abst*) G Zentralbl 30:189 (1924)

14b (with **Pack,** Robert W.) Geology and oil prospects in Waltham, Priest, Bitterwater, and Peach-tree Valleys, Cal. U S G S, B 581:119-160, map (1914)

16 Geology and oil prospects of Cuyama Valley, Cal. U S G S, B 621:191-215, map (1916) (*abst*) Wash Ac Sc, J 6:400-401 (1916) (*abst*) End Index 1916:310 (1916)

18 Geology and oil prospects of the Salinas Valley-Parkfield area, Cal. U S G S, B 691:219-250 (1918) (*abst* by R. W. Stone) Wash Ac Sc, J 8:539 (1918) Published also as Bull 691-h (1918) N Jb 1924, Band 1:191 (1924)

21 Geology and petroleum resources of northwestern Kern County, Cal. U S G S, B 721:48 pp, 2 figs, 2 pls (incl map), (1921) (*abst*) G Zentralbl 27:103 (1921) Rv Geol et Sci conn 3:75 (1922) N Jb 1924, Band 1:191-192 (1924)

21a Petroleum in California. U S G S, Min Res, Calendar Year 1918:1114-1125 (1921)

26 Geology and oil resources of Puente Hills region, southern California. U S G S, B 768:110 pp, 3 figs, 14 pls (incl maps), (1926) (*abst*) Rv Geol et Sci conn 10:99 (1929) G Zentralbl 34:531-532 (1927) (*abst*) Eng Index 1926:534 (1927)

27 Notes on the McKittrick, California, oil field. Am As Petroleum G, B 11:617-620, 1 fig (1927) *In* Str Typ Am Oil Fields 1:18-22, 1 fig (1929) (*abst*) G Zentralbl 39:78 (1929) (*abst*) G Zentralbl 40:196 (1929)

English, Walter Atheling—Cont.

Rv Geol et Sci conn 8:593 (1927) (*ann*) An Bib Ec G 2:405 (1929)

28 Outline of the geology of the San Joaquin Valley oil fields. Oil Bull 14, no 4:362-367 (April, 1928) (*ann*) An Bib Ec G 1:229 (1928) (*abst*) Eng Index 1928: 1376 (1929)

30 Use of airplane photographs in geologic mapping. Am As Petroleum G, B 14:1049-1058, 3 figs (1930)

Erich, E. E.

30 Mining opportunities in known districts. Geologic map of Weaverville quadrangle. Eng M J 130:333-334 (1930)

Erman, A.

50 Geologische Verhältnisse von Californien: Arch für wiss. Knude von Russ 7:713 (1850) (*abst*) N Jb 1850:494-497 (1850)

Estorff, Fritz E. von.

30 Kreyenhagen shale at type locality, Fresno County, California. Am As Petroleum G, B 14:1321-1336, 4 figs (1930) (*ann*) An Bibl Ec G 3:395 (1931)

Evans, George M.

54 A history of the discovery of gold in California. Hunts Merchants Magazine 31:385-386 (1854)

Evans, J. T.

84 Colemanite. Cal Ac Sc, B 1:57-59 (1884)

85 The chemical properties and relations of colemanite. Cal Ac Sc, B (1) no 2:37-42 (1885)

Fairbanks, Harold Wellman.

90 Geology of the Mother Lode region. Cal St M Bur, An Rp 10:23-90, map (1890), (*abst*) Am G 7:209-222 (1890)

92 The pre-Cretaceous age of the metamorphic rocks of the California coast ranges. Am G 9:153-166 (1892)

93 Geology and mineralogy of Shasta Co. Cal St M Bur, Rp 11:24-53, map (1893)

93a Notes on the geology and mineralogy of portions of Tehama, Colusa, Lake, and Napa counties. Cal St M Bur, Rp 11: 54-75 (1893)

93b Geology of San Diego: also of portions of Orange and San Bernardino counties. Cal St M Bur, Rp 11:76-120, map (1893)

93c Notes on a further study of the pre-Cretaceous rocks of the California coast ranges. Am G 11:69-84, map (1893)

93d The validity of the so-called Wallala beds as a division of the California Cretaceous. Am J Sc (3) 45:473-478 (1893)

93e Notes on the occurrence of rubellite and lepidolite in southern California. Science 21:35-36 (1893)

93f Geology of the Temescal tin district. Cal St M Bur, An Rp 11:111-118, Sacramento (1893)

93g The relation between ore deposits and their enclosing walls. Eng M J 55: 200 (1893) (*abst*) Zs Prak G 1:201-202 (1893)

94 Red Rock, Goler, and Summit mining districts in Kern Co. Cal St M Bur, Rp 12:456-458 (1894)

94a Geology of a section of Eldorado Co. Cal St M Bur, Rp 12:479-481 (1894)

94b Preliminary report on the mineral deposits of Inyo, Mono, and Alpine counties. Cal St M Bur, Rp 12:472-478 (1894)

94c Geology of northern Ventura, Santa Barbara, San Luis Obispo, Monterey, and San Benito counties. Cal St M Bur, Rp 12: 493-526 (1894)

94d Review of our knowledge of the geology of the California coast ranges. G Soc Am, B 6:71-102 (1894), (*abst*) Am G 14:198 (1894) (*abst*) N Jb 1899, Band 2:425-426 (1899)

94e ... localities of Mesozoic and Paleozoic in Shasta County, Cal. Am G 14: 25-31 (1894)

94f A remarkable folded vein in the Ready Relief mine (Banner district, San Diego, Cal.). Eng M J 57:321-322 (1894)

94g Some remarkable hot springs and associated mineral deposits in Colusa Co., Cal. Science 23:120-121 (1894)

95 On analcite diabase from San Luis Obispo Co., Cal. Cal Univ, Dp G, B 1:273-300 (1895)

95a The stratigraphy of the California coast ranges. J G 3:415-433 (1895) (*abst*) Petermann's Mitt 1895 (Beil zum 41):177 (1895)

95b Auriferous conglomerate in California. Eng M J 59:389-390 (1895)

96 Ore deposits with especial reference to the Mother Lode. Cal St M Bur, Rp 13:665-672 (1896)

96a The coal beds of California., Eng M J 62:10 (1896)

96b The geology of Point Sal (Santa Barbara Co., Cal.). Cal Univ, Dp G, B 2:1-91, map (1896) (*abst*) Petermann's Mitt 1898 (Beil zum 44):64 (1898)

96c Notes on a breathing gas well (Santa Lucia range, San Luis Obispo Co., Cal.). M Sc Press 73:460-461 (1896) Science (n s) 3:693-694 (1896)

96d The mineral deposits of eastern California. Am G 17:144-158 (1896) M Sc Press 73:480-481, 501 (1896) (*abst*) Eng Index 3:639 (1901)

Fairbanks, Harold Wellman—Cont.

96e The age of the California coast ranges. Am G 18:271-282 (1896)

96f Stratigraphy at Slate's Springs with some further notes on the relation of the Golden Gate series to the Knoxville, Cal. Am G 18:350-356 (1896)

96g Notes on the geology of eastern California. Am G 17:63-74 (1896)

96h The possibilities of the petroleum industry in California. Eng M J 61:588 (1896)

96i The great Mother Lode of California. Eng M J 62:248-250 (1896) (*abst*) Inst M Eng. Tr 14:668-669 (1897-1898) (*abst*) Eng Index 3:462 (1901)

96j Relation of geology to development of mineral resources of the state. M Sc Press 73:420-421 (1896) (*abst*) Eng Index 3:639 (1901)

97 Oscillations of the coast of California during the Pliocene and Pleistocene. Am G 20:213-245 (1897)

97a Outline of the geology of California with reference to its mineral deposits. M Sc Press 74:132, 152, 173, 193, 213, 232 (1897) (*abst*) Eng Index 3:639 (1901)

97b The geology of the San Francisco Peninsula. J G 5:63-67 (1897)

97c An interesting case of contact metamorphism (El Paso Range, Cal.). Am J Sc (4) 4:36-38 (1897) (*abst*) Nature 56:286 (1897)

97d The tin deposits at Temescal, southern California. Am J Sc (4) 4:39-42 (1897) M Sc Press 75:362 (1897) (*abst*) Nature 56:286 (1897)

98 Geology of a portion of the southern coast ranges. J G 6:551-576 (1898)

98a The great Sierra Nevada fault scarp. Pop Sc Mo 52:609-621 (1898)

98b Bituminous rock deposits in the vicinity of San Luis Obispo, Cal. M Sc Press 76:661 (1898)

99 Some notes on the petroleum deposits of California. M Sc Press, 78:533 (1899) (*abst*) Eng Index 3:685 (1901)

99a Stories of our Mother Earth: 200 pp. Whitaker & Ray Co., San Francisco (1899) Republished by Educational Pub Co. (1908)

00 Geology of San Diego Co., Cal. West Am Sc 10:17-19 (1900)

01 The physiography of California. Am Bur Geog, B 2:232-252, 329-353 (1901) G Zentralbl 9:468 (1907)

01a The oil-yielding formations of Monterey, San Luis Obispo, and San Benito counties. Cal St M Bur, B 19:143-150 (1901)

03 Stories of rocks and minerals: 236 pp. Educational Pub Co, Boston (1903)

03a Geography of California, State Supplement to Tar & McMurry's Geographies: 122 pp. Macmillan Co (1903)

Fairbanks, Harold Wellman—Cont.

04 Description of the San Luis quadrangle (Cal.), U S G S, G Atlas San Luis fol (no 101): 14 pp, maps (1904)

04a Gypsum deposits in California. U S G S, B 223:119-123 (1904) (*abst*) G Zentralbl 6:330 (1905)

04b The Western United States. D C Heath & Co, Boston: 302 pp, il (1904)

06 Practical physiography for high schools. Allyn & Bacon: 542 pp, 394 il, 9 colored maps (1906)

07 The great earthquake rift of California. Cal Phys Geog Club, B 1, no 2:2-8 (1907). Reprinted in Jordan, D. S., editor, The California Earthquake of 1906:319-388, San Francisco (1907)

08 Some brief notes on the trip of the geography class of the University Summer School. Cal Phys Geog Club, B 2, no 1:4-8 (1908)

10 Some topographical features of the western side of the Colorado Desert. (*abst*) Science (n s) 32:31 (1910) G Soc Am, B 21:793 (1910)

10a (and **Carey,** E. P.) Glaciation in the San Bernardino Range, Cal. Science (n s) 31:32-33 (1910)

11 The geography of California: 185 pp. Whitaker & Ray Co (1911)

20 Geography of California: 235 pp. Harr Wagner Co, San Francisco (State Textbook) (1920)

23 The home and its relation to the world: 210 pp. Harr Wagner Co (1923)

27 The geography of North America: 363 pp. Harr Wagner Co (1927)

28 Southern California, a geography reader for children: 344 pp. Harr Wagner (1928)

Farish, John B.

06 A big pocket. M Sc Press 92:21 (1906) (*abst*) Eng Index 1906:289 (1907)

Farnsworth, H. R.

27 The sedimentation of the Sunset oil field and the extension of the Thirty-five Anticline. Oil Bull 13:1133 (November, 1917) (*abst*) Eng Index 1927:582 (1928)

28 Geological features of Sunset field (Kern Co, California). Oil Gas J 26 (47): 72, Apr 12, 1928 (*ann*) An Bib Ec G 1:227 (1928) (*abst*) N Jb 1928, Ref 2:587 (1928) (*abst*) Eng Index 1928:1376 (1929)

Farquhar, Francis P.

23 Place names of the High Sierra. Sierra Club, B 11:380-407 (1923) Sierra Club Publication No. 62, 128 pp. (1926)

25 Exploration of the Sierra Nevada. California Historical Society Quarterly: 58 pp, San Francisco (1925)

30 Opening the Mt. Whitney trail. National Motorist 7-8, 24 (October 1930)

Farrel, J. H.

29 (and **Donnay**, J. D. H.) Etude de la foothill copper belt de Californie comme source possible d'approvisionnement en minerais de zinc (a study of the foothill copper belt as a possible source of supply for the Belgian zinc smelting). Rv Univ Mines (8) 1:12-17 (January 1, 1929) (*ann*) An Bib Ec G 2:53 (1929)

Fawns, Sydney.

05 Tin deposits of the world. 240 pp. California 157-158 L (1905) (*abst*) G Zentralbl 8:411 (1906)

Fay, Albert H.

11 Barytes. Min Ind, 19, 1910:68-71 (1911)

Fearn, P. L.

94 Fluorspar. Min Ind, 2:307-309, California 307 (1894)

Fenn, R. W.

09 Calorific value of California fuel oil. Eng News, 61:516-518 (May 13, 1909)

Fenneman, Nevin M.

14 Physiographic boundaries within the United States. As Am Geog, An 4:84-134, maps (1914) G Zentralbl 27:351 (1922)

16 Physiographic divisions of the United States. As Am Geog, An 6:19-98, pt 1 (1916)... An 18:261-353 (1928) (*abst*) Rv Geol et Sci conn 10:58 (1929)... Nat Ac Sci, Pr 3:17-22 (1918) G Zentralbl 27:394 (1922)

30 Physiography of western United States. 575 pp., 174 maps, ills. McGraw, Hill Book Co. (1930)

Fenner, C. N.

30 The Engels copper deposits, California. Ec G 25, no 4:420-425 (1930) (*ann*) An Bib Ec G 3:306-307 (1931)

Ferguson, Henry Gardiner.

14 Gold lodes of the Weaverville quadrangle, Cal. U S G S, B 540:22-79, map (1914)

14a Lode deposits of the Alleghany district, Cal. U S G S, B 580:153-182 (1914) (*abst*) G Zentralbl 28:76 (1922)

15 Pocket deposits of the Klamath Mountains, Cal. Ec G 10:241-261, map (1915)

19 Graphite. U S G S, Min Res, Calendar Year 1916:43-59, California 45, 57 (1919)... 1917:97-119 California 99-100 (1920)... 1918:223-265, California 223-224, 240 (1921)

21 Antimony. U S G S, Min Res, Calendar Year 1918:33-57, California 41 (1921)

29 The mining districts of Nevada. Ec G 24:115-148 (contrasted with some California districts), 125-132 (1929)

Ferguson, Henry Gardiner—Cont.

29a (and **Gannett**, Roger W.) Gold quartz veins of the Alleghany district, California. Am I M Eng, Tech Pub 211 (Class 1 Mining geology 24): 40 pp (May, 1929) (*abst*) M Metal 10:252 (May, 1929) (*ann*) An Bib Ec G 2:64 (1929) (*abst*) Wash Ac Sc, J 20 no 8:151-152 (April, 1930)

Ferguson, James E.

12 (with **Mann**, C. W., **Warner**, J. F., and **Westover**, H. L.) Soil survey of the Woodland area, California. U S Dp Agr, Bur Soils, Rp 11:1635-1687, maps nos 51-52 (1912)

Ferguson, R. N.

19 Report on cause of damage by water in the southwestern portion of the Kern River oil field, Kern Co., Cal. Cal St M Bur Summary of Operations, California Oil Fields, An Rp 5, no 3:6-53, 2 pls (1919)

19a Report on cause of damage by water to oil wells in Sections 25 and 26, T 31 S, R 22 E, M D B and M, Midway oil field, Kern Co., Cal. Cal St M Bur Summary of Operations, California Oil Fields, An Rp 5, no 1:7-21, 2 pls (1919)

19b Report on cause of damage by water to oil wells in the vicinity of Twenty-five Hill, Midway oil field, Kern Co., California. Cal St M Bur Summary of Operations, California Oil Fields, An Rp 5, no 6:9-38, 5 pls (1919)

22 The oil and gas prospects in the vicinity of Buttonwillow, Kern County, California. Cal St M Bur Summary of Operations, .California Oil Fields, An Rp 7, no 3:7-13, 1 fig (1921) (*abst* by Heald, K. C.) Am As Petroleum G, B 6:57-58 (1922)

24 (and **Willis**, C. G.) Dynamics of oil-field structure in southern California. Am As Petroleum G, B 8:576-583, 2 figs (1924) (*abst*) Eng Index 1924:490 (1925)

Ferry, Hippolyte.

50 Description de la nouvelle Californie... Avec une grande carte de la nouvelle Californie... 386 pp, ils, plates, maps (1 fold), Paris. L. Maison (1850)

Fewkes, J. Walter.

89 Across the Santa Barbara Channel. Am Nat, 23:211-217, 387-394 (1889)

Filcher, J. A.

04 Topographical considerations. 10-14. *In* Daniells, California, Its Products, Resources, Industries and Attractions, 208 pp, Sacramento (1904)

Finch, Ruy H.

28 An observatory for the study of Lassen Peak. Seism Soc Am, B 18:5-8

Finch, Ruy H.—Cont.

(March, 1928) (*abst*) N Jb 1929, Ref 2:601 (1929)

29 (and **Anderson**, C. A.) Quartz-basalt eruptions of Cinder Cone. (Summary statement) Pan Am G 51:375 (1929) Cal Univ, Dp G, B 19, no 10:245-273, 11 figs (May 1930) (*abst*) G Soc Am, B 41:157 (1930)

29a Hot Springs of the Coast Ranges. Volcano Letter of Hawaiian Volcano Observatory (July 4, 1929)

29b Recent volcanism in Northern California. Proc 4th Pacific Science Congress (Java, 1929)

30 Activity of a California volcano in 1786. The Volcano Letter No 308:3 (1930)

30a Lassen report No. 25. Lassen Volcano Observatory. The Volcano Letter No. 279:4 pp. (1930)

30b Lassen Report no 27. Lassen Volcano Observatory. The Volcano Letter No. 308:3 (1930)

30c Mud flow eruption of Lassen Volcano. The Volcano Letter No. 266:1-4 (1930)

Finch, W. W.

87 Infusorial earth at Santa Barbara, Cal. Santa Barbara Soc N H, B 1:8-11 (1887)

Fink, **Colin G.**

14 Tungsten. Min Ind 22:762-772, California 763-764 (1914)... 23:745-760, California 747 (1915)... 24:685-705, California 687-689 (1916)... 25:720-743, California 724-725 (1917)... 26:698-719, California 698, 700-702 (1918)... 27:715-736, California 716, 718-719 (1919)... 28:688-709, California 689 (1920)... 29:681-704, California 683 (1921)... 30:691-705, California, 691, 693 (1922)... 32:682-696, California 683-684 (1924)... 33:711-722, California 712 (1925)... 34:699-712, California 699, 700-702 (1926)... 35:684-694, California 685 (1927)... 36:591-604, California 593 (1928)... 37:607-618, California 609 (1929)... 38:637-648, California 638 (1930)

29 Tungsten. Foote Prints 2, no 2:3-15, California 6 (1929)

Finkle, **F. C.**

05 Pumping underground water in southern California. U S G S, W-S P 146:56-72 (1905)

Finlay, **J.** R.

21 The Permian revolution in North America. Eng M J 112, no 27:1058-1059 (1921)

Fisher, Henry.

03 Mica. Min Ind for 1902, 11:466-469, California 466 (1903)

Fisher, Henry—Cont.

03a (and **Struthers**, **J.**) Gems and precious stones. Min Ind for 1902, 11:244-251, California 251 (1903)

03b (with **Newland**, D. H., and **Struthers**, **J.**) Gold and silver. Min Ind for 1902, 11:252-295, California 252, 259-260 (1903)

03c (with **Struthers**, **J.**, and **Newland**, D. H.) Copper. Min Ind for 1902, 11:162-220, California 163, 165 (1903)

03d (and **Struthers**, J.) Chromium and chrome ore in 1902. Eng M J 76:55-56 (1903)

Fisher, Lloyd W.

29 Origin of chromite deposits. Ec G 24:691-721, California 702-704 (1929)

Floris, A.

30 (**Grunsky**, C. E. and **Morris**, S. B.) Essential facts concerning the failure of the St. Francis dam; Report of committee of board of direction (discussion). Am Soc Civil Eng, Pr 56:1023-1032 (1930)

Folsom, David M.

17 (with **Blackwelder**, Eliot, and **Thelen**, Max) Report of Committee on Petroleum, California State Council of Defense. 191 pp, 41 pls, 34 tables (1917)

Fontaine, William Morris (1835-1913).

96 Notes on some Mesozoic plants from near Oroville, Cal. Am J Sc (4) 2:273-275 (1896)

00 Notes on Mesozoic plants from Oroville, Cal. U S G S, An Rp 20 pt 2:342-368, il (1900)

00a Fossil plants from the Taylorsville region, Plumas County, Cal. *In* Ward, L. F. Status of the Mesozoic floras of the United States; first paper, The Older Mesozoic. U S G S, An Rp 20, pt 2:333-334 (1900) (*abst*) U S G S, B 353:55 (1908)

00b (with **Ward**, Lester Frank, **Wanner**, Atreus, and **Knowlton**, F. H., collaborators) Status of the Mesozoic floras of the United States: The older Mesozoic. U S G S, An Rp 20, pt 2:211-748, il (1900) G Zentralbl 10:432 (1908)

05 Notes on some fossil plants from the Shasta Group of California. *In* Ward, Status of the Mesozoic flora of the United States (second paper) U S G S, Mon 48:221-273 (1905)

05a Plants from northern California. *In* Ward, Status of the Mesozoic flora of the United States (second paper). U S G S, Mon 48:176-177 (1905)

05b (with **Ward**, Lester Frank, **Bibbins**, Arthur, and **Wieland**, G. R., collaborators) Status of the Mesozoic floras of the United States (second paper). U S G S, Mon 48:616 pp, pls (1905)

Foote, A. B.

26 (and **Fulton, J. A.**) Mining methods in Grass Valley, California, with discussion. Am I M Eng, Tr 74:654-665 (1926)

Foote, Warren Mathews.

95 Preliminary note on a new alkali mineral. Ac N Sc Phila, Rp 1895:408-409, Am J Sc (3) 50:480-481 (1895)

Ford, Henry Chapman.

90 Solfataras in the vicinity of Santa Barbara. Santa Barbara Soc N H, B 1:53-56 (1890)

91 Specimens of coniferous wood saturated with bitumen. Santa Barbara Soc N H, B 1, no 2:11 (1891)

Ford, William Ebenezer.

02 On the chemical composition of dumortierite. Am J Sc (4) 14:426-430 (1902) Zs Kryst 37:417-421 (1903)

06 (and **Penfield, S. L.**) On stibiotantalite. Am J Sc (4) 22:61-77 (1906) Zs Kryst 43:334-350 (1906)

09 Neptunite crystals from San Benito, Co., Cal. Am J Sc (4) 27:235-240 (1909) Zs Kryst 46:321-325 (1909)

10 The effect of the presence of alkalies in beryl upon its optical properties. Am J Sc (4) 30:128-130 (1910)

11 Note on some analyses of stibiotantalite. Am J Sc (4) 32:287-288 (1911)

17 New mineral names. Am J Sc (4) 43:493-494 (1917) (*abst*) N Jb 1921, Band 1:264-265 (1921)

Forstner, William.

03 The quicksilver resources of California. Cal St M Bur, B 27:273 pp (1903)

04 Genesis of ore deposits at the Royal mine, Hodson, Cal. M Sc Press 88:314-315 (1904)

04a The quicksilver deposits of California. Eng M J 78:385-386, 426-428 (1904)

06 (and others) The structural and industrial materials of California. Cal St M Bur, B 38:412 pp (1906)

07 Ore deposits in serpentine. M Sc Press 95:121-122 (1907)

07a Copper in Shasta Co., Cal. M Sc Press 94:625-626 (1907)

08 Copper deposits in the western foothills of the Sierra Nevada. M Sc Press 96:743-748 (1908) (*abst*) Eng Index 1908:308 (1909)

08a The genesis of the copper ores in Shasta Co., west of the Sacramento River. M Sc Press 97:261-262 (1908)

09 Oil measures in the Coalinga district, Cal. M Sc Press 98:386-387 (1909)

09a Historical geology of California. M Sc Press 98:853-858, 891-892; 99:55-58, 91-92 (1909)

Forstner, William—Cont.

09b Geology of the Coalinga oil district. M Sc Press 99:566-567 (1909)

10 Occurrence of oil and gas (South Midway field, Kern Co., Cal.). M Sc Press 101:634-638 (1910 (*abst*) Eng Index 1911:408 (1912)

11 The occurrence of oil and gas in the South Midway field, Kern Co., Cal. Ec G 6:138-155 (1911) (*abst*) G Zentralbl 17:584 (1912) N Jb 1915, Band 2, Ref:205 (1915) (*abst*) Eng Index 1911:408 (1912)

11a Oilfields south of Coalinga. M Sc Press 102:722-724 (1911) (*abst*) Eng Index 1911:408 (1912)

11b The oil industry of California. M Mag 5:291-294 (1911) (*abst*) Eng Index 1911:408 (1912)

Fortier, S.

05 Irrigation in Santa Clara Valley, California. U S Dp Agr, Office Exp Sta, B 158:77-91 (1905)

Foshag, William Frederick.

18 Ulexite from Lang, Cal. Am Mineralogist 3:35 (1918) Min Absts 1:341 (1922)

20 Thaumasite (and spurrite) from Crestmore, California. Am Mineralogist 5:80-81 (1920) Min Absts 1:102 (1920)

20a Apthitalite (glaserite) from Searles Lake, California. Am J Sc (4) 49:367-368 (1920) Min Absts 1:74 (1920) (*abst*) Rv Geol et Sci conn 4:300 (1922)

20b Plazolite, a new mineral from Riverside, Cal. Am Mineralogist 5:183-185 (1920) Min Absts 1:151 (1921)

20c Sulphohalite from Searles Lake, Cal. Am J Sc (4) 49:76-77 (1920) Min Absts 1:424 (1922) (*abst*) Rv Geol et Sci conn 4:301 (1922)

21 (and **Larsen, Esper S.**) Merwinite, a new calcium magnesium orthosilicate from Crestmore, Cal. Am Mineralogist 6:143-148, 1 fig (1921) Min Absts 1:254 (1921)

21a The origin of the colemanite deposits of California. Ec G 16:199-214 (1921) Min Absts 2:454 (1925) (*abst*) Rv Geol et Sci conn 2:504-505 (1921)

22 Calico Hills, San Bernardino County, Cal. Am Mineralogist 7:208-209 (1922)

22a (and **Wherry, E. T.**) Notes on the composition of talc. Am Mineralogist 7:167-171 (1922) Min Absts 2:361 (1924)

24 The world's biggest borax deposits (California and Nevada). Eng M J 118:419-421, 6 figs (1924) (*abst*) Rv Geol et Sci conn 6:62-63 (1925)

24a Famous mineral localities: Furnace Creek, Death Valley, Cal. Am Mineralogist 9:8-10 (1924)

24b Priceite from Furnace Creek, Inyo County, Cal. Am Mineralogist 9:11-13 (1924) Min Absts 2:318-319 (1924)

Foshag, William Frederick—Cont.

24c Centrallasite from Crestmore, Cal. Am Mineralogist 9:88-90 (1924) Min Absts 3:217 (1926)

26 Saline lakes of the Mohave Desert region. Ec G 21:56-64 (1926) (*abst*) G Zentralbl 34:212 (1926)

29 Gems and gem minerals. Smithsonian Scientific Series 3 pt 2:238-243 (1929)

30 "Kramerite"—The Am Mineralogist 15:276 (1930)

30a "Kernite"—The Am Mineralogist 15:276 (1930)

30b Collecting boron minerals in Death Valley. Smith Inst, Explorations and field work in 1929, 39-46, 8 figs. (1930)

Foster, E. LeN.

90 Production of carbonate of soda from the alkaline waters of Owens Lake. Colo Sc Soc, Pr 3:245 (1890)

Foster, G. G.

48 The gold regions of California. Being a succinct description of the geography, history, topography, and general features of California: including a carefully prepared account of the gold regions of that fortunate country, prepared from official documents and other authentic sources. 80 pp and map, New York (1848)

Foster, William.

84 Building stones and the quarry industry in Colorado, California, Montana, Nevada, and Utah. The tenth U S Census Rp 10:277-279, California 279 (1884)

Fowler, F. H.

23 Hydroelectric power systems of California and their extensions into Oregon and Nevada. U S G S, W-S P 493:xlix, 1276 pp, 73 pls (1923)

Fox, James P.

26 Geomorphogeny of the Berkeley Hills between the city of Berkeley and San Pablo Bay. (*abst*) G Soc Am, B 37:211 (1926) (*abst*) Eng Index 1929:1378 (1930)

Fox, Leo S.

29 Structural features of the east side of the San Joaquin Valley. Am As Petroleum G, B 13:101-108. Discussion by Gale, Hoyt Rodney, and Anderson, F. M. (1929) Oil Bull 14:587-588, 654 (1928) (*ann*) An Bib Ec G 1:229 (1928) G Zentralbl 40:154-155 (1929) (*abst*) Eng Index 1929:1378 (1930)

30 Some methods employed in obtaining submarine geological data. Am As Petroleum G, B 14:98-101 (1930)

Franke, Herbert A.

30 Santa Clara County. Cal St M Bur, St Mineralogist's Rp 26:2-39 (1930)

30a Kings County. Cal St M Bur, St Mineralogist's Rp 26:413-423 (1930)

30b Tulare County. Cal St Mineralogist's Rp 26:423-471 (1930)

Frazer, John F.

50 Report on minerals from Oregon and California forwarded by General Persifor F. Smith. *In* Report of the Secretary of War, U S 31st cong, 1st sess, S Ex Doc 47:116-117 (1850)

51 Report on minerals forwarded by General Smith. Geology and industrial resources of California by P. Tyson. 116-117 Baltimore (1851) (Another edition Washington 1850)

Free, E. E.

12 Nitrate prospects in the Amargosa Valley, near Tecopa, Cal. U S Dp Agr, Bur Soils, Circ 73:6 pp (1912)

13 The geology of the Cahuilla Basin, Cal. (*abst*) Carnegie Inst, Wash, Y Bk 12:59-60 (1913)

14 The topographic features of the desert basins of the United States with reference to the possible occurrence of potash. U S Dp Agr, B 54:65 pp, map (1914)

14a Sketch of the geology and soils of the Cahuilla Basin. Carnegie Inst, Wash, Pub 193 (MacDougal, The Salton Sea): 21-33 (1914)

16 An ancient lake basin on the Mohave River. Carnegie Inst, Wash, Yr Bk 15:90-91 (1916)

Freeman, Lewis R.

23 The Colorado River. 451 pp (1923)

Fremont, J. C.

45 Report of the exploring expedition to the Rocky Mountains in 1842, and in Oregon and North California in the years 1843-44; 28th cong, 2d sess, S Ex Doc 174:693 pp, maps, ils (1845) H Ex Doc 166: 583 pp (1845)

48 Geographical memoir upon Upper California in illustration of his map of Oregon and California. 30th cong, 1st sess, Senate Misc Doc 148:67 pp, map (1848) Am J Sc (2) 6:280-281, 376-392 (1848)

49 (and **Emory,** W. H.) Notes of travel in California, comprising the prominent geographical, agricultural, geological, and mineralogical features of the country; also the route to San Diego, in California, including parts of the Arkansas, Del Norte, and Gila rivers. 311 pp, Dublin (1849)

French, Harold.

14 Genesis and revelations of the Yosemite Valley. Pop Sc Mo, 85:69-82, 7 figs (1914) G Zentralbl 27:253 (1922)

Freudenberg, Wilhelm.

11 Abstract of "skull and dentition of an extinct cat closely allied to *Felix atrox* Leidy" (Merriam, J. C. 1909) N Jb Ref 1: 134 (1911)

Frick, Childs.

18 Fauna of the Bautista Creek badlands. (*abst*) G Soc Am, B 29:163 (1918) G Zentralbl 29:443-444 (1923)

21 Extinct vertebrate faunas of the badlands of Bautista Creek and San Timoteo Cañon, southern California. Cal Univ, Dp G, B 12:277-424, 165 figs, 8 pls (1921) (*absts*) Rev crit Paleozool 26:134 (1922) G Zentralbl 29:443-444 (1923)

Friedrich, James J.

88 Stalactitic melanterite and other minerals from California. N Y Ac Sc, Tr 8:22 (1888)

89 On some new species of Protozootites, Quaternary and Tertiary, from California, and on the importance of Protozoa as rock-building agents. N Y Ac Sc, Tr 9:32-36 (1889)

89a Silicified woods from California. N Y Ac Sc, Tr 8:29-30 (1889)

Frignet, Ernest.

65 Le Californie... 494 pp, Paris (1865) 2d ed, 479 pp, Paris (1867)

66 Coup d'oeil sur la constitution géologique et miniére de la Californie et des territories voisins. Soc G France, B (2) 23:347-371 (1866)

Frost, Frederick H.

27 The Pleistocene flora of Rancho La Brea. Cal Univ, Publ in Botany 14:73-98, 5 tables (1927) (*abst*) Biol Absts 3:2039 (1929)

27a Statistical identification as applied to Parapava. Cal Univ, Dp G, B 17, no 1:57-62 (1927)

Fry, C. H.

21 Gold mining in California. Eng M J 111:13 (1921) (*abst*) Eng Index 1921:258 (1922)

Fuchs, Edmond.

85 Note sur les graviers auriferes de la Sierra Nevada de Californie. Soc G France, B (3) 13:486-488 (1885) (*abst*) N England Inst M Mec Eng Tr 25:41 (1886) N Jb 1888, Band 2 (Referate) :274 (1888)

93 (and **De Launay**, L.) Alluvions aurifères de Californie. *In* E. Fuchs et L. De Launay, Traité de Gîtes Minéraux et Métallifères 2:961-969, Paris (1893)

Fuchs, Edmond—Cont.

93a (and **De Launay**, L.) Quartz aurifères de Californie. *In* E. Fuchs et L. De Launay, Traité des Gîtes Minéraux et Métallifères 2:919-925, Paris (1893)

93b (and **De Launay**, L.) Gîtes de mercure de Californie. *In* E. Fuchs et L. De Launay, Traité des Gîtes Minéraux et Métallifères 2:711-722, Paris (1893)

Fuller, Myron Leslie.

04 (and **Lines**, E. F., and **Veatch**, A. C.) Record of deep well-drilling for 1904. U S G S, B 264:106 pp, California 42-43, 78-79 (1905)

05 Bibliographic review and index of papers relating to underground water published by the United States Geological Survey, 1879-1904. U S G S, W-S P 120: 128 pp (1905)

06 Comparative intensities of the New Madrid, Charleston and San Francisco earthquakes. (*abst*) Science (n s) 23:917-918 (1906)

06a (and **Sanford**, Samuel) Record of deep-well drilling for 1905. U S G S, B 298:299 pp, California 38-43, 187-192 (1906)

06b (with **Clapp**, Frederick G., and **Johnson**, Bertrand L.) Bibliographic review and index of underground-water literature published in the United States in 1905. U S G S, W-S P 163:130 pp (1906)

06c Total amount of free waters in earth's crust. U S G S, W-S P 160:59-72, California mines 67 (1906)

06d Our greatest earthquakes. Pop Sc Monthly 69, no 1:76-86 (July, 1906)

07 Mineral waters. U S G S, Min Res, Calendar Year 1905:1285-1312, California 1285, 1287, 1289, 1292-1293 (1907)

12 Domestic water supplies for the farm, John Wiley & Sons, New York, 180 pp, California's type of wells, 105, 107, 119; Central Valley groundwater province, 67 (1912)

Fulton, J. A.

26 Mining methods in Grass Valley district. Am I M Eng, Tr no 1525-A, 11 pp, 2 figs (February, 1926)

26a (and **Foote**, A. B.) Mining methods in Grass Valley, California, with discussion. Am I M Eng, Tr 74:654-665 (1926)

Furlong, Eustace L.

04 An account of the preliminary excavations in a recently explored Quaternary cave in Shasta Co., Cal. Science (n s) 20:53-55 (1904) (*abst*) G Zentralbl 7:618 (1906)

04a (with **Sinclair**, W. J.) *Euceratherium,* a new ungulate from the Quaternary caves of California. Cal Univ, Dp

Furlong, Eustace L.—Cont.

G, B 3:411-418, il (1904) (*abst*) G Zentralbl 7:126 (1906) N Jb Ref, 1905, pt 2: 469-470 (1905) G Mag (5) 1:465 (1904)

05 *Preptoceras*, a new ungulate from Samwel Cave, Cal. Cal Univ, Dp G, B 4:163-169, il (1905) (*absts*) G Zentralbl 7:374 (1906) 10:371 (1908) Rev crit Paleozool 10:200 (1906)

06 The exploration of Samwel Cave, Cal. Am J Sc (4) 22:235-247 (1906) (*abst*) G Zentralbl 11:106-107 (1908)

07 Reconnaissance of a recently discovered Quaternary cave deposit near Auburn, Cal. Science (n s) 25:392-394 (1907) (*abst*) Sc Progress 2:502 (1907)

26 (and **Stock,** Chester) New canid and rhinocerotid remains from the Ricardo Pliocene of the Mohave Desert, California. Cal Univ, Dp G, B 16:43-60, 4 pls (1926) (*abst*) G Zentralbl 35:173 (1927)

27 The occurrence and phylogenetic status of Marycodus from the Mohave Desert Tertiary. Cal Univ, Dp G, B 17: 145-186, 5 pls, 28 figs (1927)

27a (and **Stock,** Chester) Skull and skeletal remains of a ruminant of the Preptoceras Euceratherium group from the McKittrick Pleistocene, California. Cal Univ, Dp G, B 16:409-434, 4 pls (1927) (*abst*) G Zentralbl 38:252 (1928)

28 (and **Stock,** Chester) The Pleistocene elephants of Santa Rosa Island. Science (n s) 68:140-141 (1928) Pan Am G 49:315 (1928) G Soc Am, B 40:175 (*abst*) (1929)

29 (with **Patterson,** J. W., and **Stock,** Chester) Tertiary mammalian fauna from the Kern River series, California. (*abst*) G Soc Am, B 40:260 (1929) Pan Am G 49:318 (1928)

30 *Capromeryx minor* Taylor from the McKittrick Pleistocene, California. Carnegie Inst, Wash, Pub 404:49-53, 2 figs, (1930)

Furness, J. W.

26 (and **Santmyers,** R. M.) Mercury. U S B M Information Circular 6007:7-8 (1926)

27 Chromite. U S B M Information Circular 6038:10 (1927)

28 Mercury. U S B M, Min Res, Calendar Year 1925:35-51, California 35, 37, 43-46 (1928)... 1926:125-140, California 126-127, 133-134 (1929)... 1927:51-74, California 51, 54, 58-65 (1928)... Information Circular 60071:7-8 (1926) Bur For and Dom Com Trade Infor, B 631:11-12 (1929)

28a Tin. U S B M, Min Res, Calendar Year 1925:65-88, California 68 (1928)

28b Chromite. U S B M, Min Res, Calendar Year 1925:127-147, California 132-134, 136-140 (1928)... 1926:1-8, California 2 (1929)... 1927:309-321 California 310 (1929)... Information Circular 6038:10 (1927)

Furness, J. W.—Cont.

28c Manganese. U S B M, Min Res, Calendar Year 1925:157-194, California 173, 175, 178, 180, 191, (1928)... 1926: 141-179, California 143, 145, 157 (1929)... 1927:157-216, California 160, 176, 181 (1929)

Gabb, William More.

61 Descriptions of new species of American Tertiary fossils and a new Carboniferous cephalopod from Texas. Ac N Sc Phila, Pr 1861:367-372 (1861)

64 Description of the Triassic fossils of California and the adjacent territories. Cal G S, Paleontology 1:17-35, il (1864)

64a Description of the Cretaceous fossils. Cal G S, Paleontology 1:55-236, il (1864)

65 Check list of the Carboniferous, Triassic, Jurassic, and Cretaceous fossils of California and Nevada, prepared for the cabinet of the College of California. 8 pp, San Francisco (1865)

66 Reply to Mr. Conrad's criticism to Mr. Gabb's "Report on the paleontology of California." Am J Conch 2:87-92 (1866)

67 Report on the coal mines of the west coast of North America. *In* mineral resources of the States and Territories west of the Mississippi by Brown and Taylor. U S Treas Dp 188-192 (1867)

68 On the subdivisions of the Cretaceous rocks of California. Cal Ac N Sc, Pr 3:301-306 (1868) Am J Sc (2) 44:226-229 (1867)

68a Notes on some fossils from the gold-bearing slates of Mariposa, with description of some new species. Cal Ac N Sc, Pr 3:172-173 (1868)

68b Communication on the San Luis Obispo quicksilver fossils. Cal Ac N Sc, Pr 3:173-174 (1868)

69 Cretaceous and Tertiary fossils. Cal G S, Paleontology 2:299 pp, il (1869)

69a Descriptions of some secondary fossils from the Pacific States. Am J Conch 5:5-18, il (1869)

Gahl, Rudolph.

28 (and **Anderson,** Belle) Sulphate-reducing bacteria in California oil waters. Centr Bakt Parasitenk. 2 Abt 73:331-338, 1928 (*ann*) An Bib Ec G 1: 186 (1928)

Gale, Hoyt Rodney.

28 West Coast species of Hinnites. San Diego Soc N H 5:91-94 (1928)

29 Summary of west coast subgenus *Trophosycon*. (*abst*) G Soc Am, B 40: 257-258 (1929) (Summary statement) Pan Am G 49:315-316 (1928)

Gale, Hoyt S.

12 The Lila C. Borax Mine at Ryan, Cal. U S G S, Min Res, Calendar Year 1911:861-865 (1912)...

12a Magnesite. U S G S, Min Res, Calendar Year 1911:1113-1127, California 1113-1127 (1912)

12b Nitrate deposits. U S G S, B 523:36 pp, California 25-27 (1912) (*abst*) Wash Ac Sc, J 4:165 (1914)

12c Borax. U S G S, Min Res, 1911 pt 2:857-866, map (1912)

13 Saline deposits; Searles Lake. U S G S, Min Res, Calendar Year 1912:884-889 (1913)

13a Searles Lake, Cal. (potash). U S G S, Min Res, 1912 pt 2:884-890 (1913)

13b (and **Yale**, C. H.) Borax. U S G S, Min Res, Calendar Year 1912: 839-846, California 839-843 (1913)... 1913:521-536, California 521-522 (1914)... 1914:285-290, California 285-287 (1916)... 1916:387-389 California 387-388 (1919)

13c (and **Yale**, C. G.) Magnesite. U S G S, Min Res, Calendar Year 1912:1071-1077, California 1071-1076 (1913)... 1913: 441-454, California 441-443 (1914)... 1914: 569-586, California 569-571, 575, 577-581 (1916)... 1916:391-401, California 391-397 (1919)

13d The search for potash in the desert basin region. U S G S, B 530:295-312, map (1913)

13e The origin of colemanite deposits. U S G S, P P 85:3-9 (1913) (*abst*) Wash Ac Sc, J 4:165-166 (1914)

14 Notes on the Quaternary lakes of the Great Basin, with special reference to the deposition of potash and other salines. U S G S, B 540:399-406 (1914)

14a Prospecting for potash in Death Valley, Cal. U S G S, B 540:407-415 (1914)

14b Salt, borax, and potash in Saline Valley, Inyo Co., Cal. U S G S, B 540: 416-421 (1914)

14c Sodium sulphate in the Carriso Plain, San Luis Obispo Co., Cal. U S G S, B 540:428-433 (1914)

14d Borate deposits in Ventura Co., Cal. U S G S, B 540:434-456, map (1914)

14e Late developments of magnesite deposits in California and Nevada. U S G S, B 540:483-520 (1914)

14f (and **Hicks**, W. B.) Octahedral crystals of sulphohalite. Am J Sc (4) 38: 273-274 (1914)

15 Salines in the Owens, Searles, and Panamint basins, southeastern California. U S G S, B 580:251-323, map (1915) (*abst*) G Zentralbl 27:172 (1921)

15a (with **Lee**, W. T., and **Stone**, R. W.) Guidebook of the Western United States. U S G S, B 612, Part B: 244 pp (1915)

19 Potash. U S G S, Min Res, Calendar Year 1916:73-171, California 83, 90-95, 102-103, 108, 113-114, 133-135, 137, 140-141, 145-149, 159 (1919)

Gale, Hoyt S.—Cont.

19a Potash, our mineral supplies. U S G S, B 666:81-84 (1919)

19b Nitrates, our mineral supplies. U S G S, B 666:163-166 (1919)

19c Magnesite, our mineral supplies. U S G S, B 666:171-175 (1919)

20 (and **Hicks**, W. B.) Potash. U S G S, Min Res, Calendar Year 1917:397-481, California 397, 402, 410-412, 414-419, 447-449, 450-451 (1920)

26 Borate deposits near Kramer, California. Am I M Eng, Tr (preprint no 1553: 15 pp, 1 fig (1926) Tr 73:449-463, 1 fig (1926) (*abst*) M Metal 7, no 233:227 (1926) (*abst*) G Zentralbl 36:129 (1927)

27 A new borate mineral: Eng M J 123: 10 (1927) Min Absts 3:271 (1927)

28 Naming the new borax mineral. Eng M J 125:702 (1928)

Galloway, J. D.

06 The recent earthquake in central California and the resulting fire in San Francisco. Eng News 55:523-525, 13 figs (1906)

Galloway, J. J.

27 (and **Wissler**, Stanley G.) Correction of names of foraminifera. J Paleontology 1:193 (1927)

27a (and **Wissler**, Stanley G.) Pleistocene foraminifera from the Lomita quarry, Palos Verdes Hills, California. J. Paleontology 1:35-87, 6 pls 89 figs (1927) (*abst*) G Zentralbl 42:344 (1930)

Gannett, Henry (1846-1914).

84 Detailed topographic work; maps of the quicksilver mining districts of California. U S G S, An Rep. 4:14 (1884)

84a A dictionary of altitudes in the United States. U S G S, B 5:325 pp, California 37-54 (1884)... 76:393 pp, (1891)... 160:775 pp, California 46-79 (1899)... 274: 1072 pp, California 71-138 (1906)

85 Boundaries of the United States and of the several States and Territories, with a historical sketch of the territorial changes. 135 pp (1885)

85a Report, division of geography. U S G S, An Rp, 5, 1883-1884:3-14, California 13-14 (1885)... 6, 1884-1885:3-17, California 15-16 (1885)... 7, 1885-1886:45-60, California 55-57 (1888)... 8, 1886-1887, pt 1:97-120, California 105 (1889)... 9, 1887-1888:49-67, California 58-59 (1889)... 10, 1888-1889, pt 1:83-105, California 97 (1890)

85b Boundaries of the United States and of the several states and territories. U S G S, B 13:135 pp (1885). Second edition U S G S, B 171:142 pp (1900). Third edition U S G S, B 226:145 pp (1904)

Gannett, Henry—Cont.

95 A dictionary of geographic positions in the United States. U S G S, B 123: 145 pp, California 142-145 (1895)

96 Magnetic declination in the United States. U S G S, An Rp 17:203-440, pls ii-iii California 313-317 (1896)

96a Summary of the primary triangulation executed by the United States Geological Survey between the years 1882 and 1894. U S G S, An Rp 16:875-885 (1896)

01 The origin of Yosemite Valley. Nat Geog Mag 12:86-87 (1901)

Gannett, Roger W.

29 (and **Ferguson, H. G.**) Gold quartz veins of the Alleghany district, California. Am I M Eng, Tech Pub 211 (Class 1, mining geology 24): 40 pp (May, 1929) (*abst*) M Metal 10:252 (May, 1929)

Gannett, S. S.

03 Results of primary triangulation and primary traverse, fiscal year 1902-1903. U S G S, B 216:222 pp, 1 pl, California 175-198 (1903)... 1903-1904 245:328 pp. California 197-201 (1904)... 1904-1905 276:263 pp, California 176-188 (1905)

08 (and **Baldwin, D H.**) Results of spirit leveling in California, 1896-1907, inclusive. U S G S, B 342:172 pp (1908)

Gardner, E. D.

23 Mining diatomaceous earth at Lompoc, California. U S B M, Serial 2431:2 pp (1923)

Gardner, Nathaniel Lyon.

24 Two new fossil algae from the Miocene. Ac N Sc Phila, Pr 75:361-363, 1 fig, 1 pl (1924)

Garfias, Valentine Richard.

13 (and **Arnold, Ralph**) The prevention of waste of oil and gas from flowing wells in California. U S B M, Tech P 42:15 pp, 2 pls, 4 figs (1913)

14 (with **Arnold, Ralph**) Geology and technology of the California oil fields. Am I M Eng, B 87:383-467, map (1914) (*abst*) Eng Index 1914:457 (1915)

14a (and **Arnold, Ralph**) Methods of oil recovery in California. U S B M, Tech P 70:57 pp (1914) (*abst*) Eng Index 1914:456 (1915)

Garrison, Frank Lynwood.

04 Tin in the United States. Eng M J 78:830-832 (1904)

08 Gold mining and the history of civilization. Eng M J 85:1094-1097 (1908)

11 Decrease of value in ore shoots with depth. Can M Inst, Q J 16:63-77 (1911); Tr 15:192-209 (1912) M Science 65:152-154 (1912) M World 36:346-347 (1912) M Sc Press 104:558-561; 105, 700-702 (1912)

Garrison, Frank Lynwood—Cont.

14 Platinum. Min Ind, 22:595-606, California 595 (1914)

Garrison, R. H.

27 (and **Vickery, Frederick P.** The Goleta field. M Metal 8, no 250:428-433 (October, 1927)

Gassaway, A. D.

99 The Magalia, Cal., drift mine. M Sc Press, lxxviii:372-373 (3 figs), 400-401 (3 figs) (1899)

Gaylord, E. G.

24 (and **Hanna, G. D.**) Description of a new genus and species of fresh-water gastropod mollusk (*Scalez* petrolia) from the Etchegoin Pliocene of California. Cal Ac Sc, Pr (4) 13:147-149, 2 figs (1924)

24a (and **Decius, L. C.**) Petroleum development in California during 1923. Am I M Eng, Production of Petroleum in 1923, pp 36-47, 2 figs (1924)

25 (and **Hanna, G. D.**) Correlation of the organic shales of the San Joaquin Valley, California. Am As Petroleum G, B 9:228-234, pls 4-5 (1925) (*abst*) Rv Geol et Sci conn 6:571 (1926)

25a (and **Hanna, G. D.**) Organic shales in the southern San Joaquin Valley. Petroleum World (Los Angeles), 10:66, 68 (June, 1925)

Gazin, Charles L.

29 Tertiary mammalian fauna from Upper Cuyama Drainage Basin. Carnegie Inst, Wash, Pub 404:55-76, 5 figs, 4 pls, (1930) (*abst*) G Soc Am, B 41:214 (1930) (Summary statement) Pan Am G 52:158-159 (1929)

30 Geology of Mount Pinos quadrangle. (*abst*) Pan Am G 54:159 (1930)

30a (and **Buwalda, J. P.**, and **Sutherland, J. C.**) Frazier Mountain, a crystalline overthrust slab, west of Tejon Pass, southern California (*abst*) G Soc Am, B 41:146-147 (1930). Pan Am G 54:71-72 (1930)

General Committee on Gas Conservation.

28 How to increase oil recovery and conserve gas in the field (committee report). Cal St M Bur, Summary of Operations California Oil Fields 13, no 9:5-18 (1928)

Genth, F. A. (1820-1893).

52 On a probably new element with iridosmine and platinum from California. Ac N Sc Phila, Pr 4:209 (1852) Am J Sc (2) 15:246-248 (1853)

Genth, F. A.—Cont.

52a On some minerals which accompany gold in California. Ac Sc Phila, Pr 6:113-114 (1852) *(abst)* N Jb 1855:68-69 (1955)

59 Contributions to mineralogy. Am J Sc (2) 28:246-255 (1859)

59a On the occurrence of gold. Am J Sc (2) 28:253-255 (1859) M Mag (2) 1:147-150 (1859) Ph Mag (4) 18:318-320 (1859) *In* Cotta, B. von, und Müller, Hermann, Gangstudien oder Beiträge zur Kenntniss der Erzgänge 3:508-511, Freiberg (1860)

68 Contributions to mineralogy, No. 7. Am J Sc (2) 45:305, 321 (1868)

76 On some American vanadium minerals. Am J Sc (3) 12:32-36 (1876)

92 Contributions to mineralogy, No. 54. Am J Sc (3) 44:381 (1892)

George, Harold C.

07 Petroleum. Min Ind, 15:600-620, California 600, 610-612 (1907)... 16:743-768, California 743, 746-748 (1908)

Gester, G. C.

14 Geology of the southern end of the San Joaquin Valley. *(abst)* G Soc Am, B 25:123 (1914)

17 Geology of a portion of the McKittrick district, a typical example of the West Side San Joaquin Valley oil fields, and a correlation of the oil sands of the West Side fields. Cal Ac Sc, Pr (4) 7:207-227 (1917)

26 Observations relating to the origin and accumulation of oil in California. Am As Petroleum G, B 10:892-900 (1926)

27 Origin and accumulation of oil in California. *(abst)* G Soc Am, B 38:200-202 (1927)

Gester, S. H.

24 Huntington Beach oil field, Orange County, California. Am As Petroleum G, B 8:41-46, 2 figs (1924) *(abst)* Eng Index 1924:490-491 (1925)

Gianella, Vincent P.

28 Minerals of the Sespe formation, California, and their bearing on its origin. Am As Petroleum G, B 12:747-752 (1928) *(ann)* An Bib Ec G 1:204 (1928) 2:398 (1929) *(abst)* G Zentralbl 38:497 (1929) N Jb 1929, Ref 3:390 (1929)

Gibbs, C. D.

76 California petroleum. M Sc Press 33:368 (1876)

Gibson, Arthur.

27 Auriferous placer resources of California. M Cong J 13:476-479 (1927)

Gidley, James Williams.

01 Tooth characters and revision of the North American species of the genus *Equus*. Am Mus N H, B 14:114-116, fig 10 (1901)

04 Remarks on Pliocene fossils found in California. Cal Univ, Dp G, B 4:57, 72, 75 (1904)

06 A fossil raccoon from a California Pleistocene cave deposit. U S Nat Mus, Pr 29:553-554, pls 12 (1906) *(abst)* G Zentralbl 8:373 (1906) Sc Progress 1:452 (1906) Rv crit Paleozool, J 10:140 (1906)

Gieser, H. S.

27 Mining and milling on Santa Catalina Island. Eng M J 124:245-247 (1927) *(abst)* G Zentralbl 36:215-216 (1927)

Gilbert, Chester G.

13 (and **Pogue,** J. E.) The Mount Lyell copper district of Tasmania (includes notes on copper deposits of Shasta Co., Cal., and Ducktown, Tenn.). U S Nat Mus, Pr 45:609-625 (1913)

Gilbert, Grove Karl (1843-1918).

74 Preliminary geological report, expeditions of 1872. U S Geog S W 100th Mer (Wheeler), Progress Rp:48-52, Washington (1874)

75 Report on the geology of portions of Nevada, Utah, California, and Arizona. U S Geog S W 100th Mer (Wheeler), 3:17-187, maps (atlas sheets) (1875)

75a The recency of certain volcanoes of the western United States. *(abst)* Am As, Pr 23, pt 2:29-32 (1875)

75b Wind drift. Am J Sc (3) 9:151-152 (1875)

85 Introductory sketch of the Quaternary lakes of the Great Basin. U S G S, B 11:9-12 (1885)

87 Stages of geologic history of Sierra Nevada. Wash Ph Soc, B 9:7 (1887)

90 Lake Bonneville. U S G S, Mon 1:438 pp, California 8 (1890)

00 Hanging valleys. G Soc Am, B 11:591 (1900)

04 Variations of Sierra glaciers. Sierra Club, B 5:20-25 (1904)

04a Domes and dome structure of the high Sierra. G Soc Am, B 15:29-36 (1904) Sierra Club, B 5:211-220 1905 *(abst)* Science (n s) 19:538 (1904) Sc Am Sup 57:23446 (1904)

04b Systematic asymmetry of crest lines in the high Sierra of California. J G 12:579-588 (1904) Sierra Club, B 5:279-286 (1905)

05 Terraces of the high Sierra, Cal. *(abst)* Science (n s) 21:822 (1905) G Zentralbl 10:412 (1908)

06 Gravitational assemblage in granite. G Soc Am, B 17:321-328 (1906)

06a Crescentic gouges on glaciated surfaces. G Soc Am, B 17:303-316 (1906)

Gilbert, Grove Karl—Cont.

06b The cause and nature of earthquakes. M Sc Press 92:273 (1906) Reprinted in After earthquake and fire: 32-34, San Francisco (1906)

06c The investigation of the California earthquake of 1906. Pop Sc Mo 69:97-115 (1906) Reprinted in Jordan, D. S. editor, The California earthquake of 1906:213-256, San Francisco (1907)

07 The (San Francisco) earthquake as a natural phenomenon. U S G S, B 324: 1-13 (1907) (*abst*) Nature 77:251-253 (1908)

08 The United States Geological Survey's hydraulic laboratory at Berkeley, Cal. (*abst*) Science (n s) 27:469 (1908)

08a (with **Branner,** J. C., **Lawson,** A. C., **Reid,** H. F., and others) The California earthquake of April 18, 1906. Report of the State Earthquake Investigation Commission. Carnegie Inst, Wash, Pub 87, v 1, pt 1:xviii, 254 pp, pt 2:255-451; atlas, 25 maps and seismograms (1908)

08b Transportation of detritus by Yuba River. (*abst*) G Soc Am, B 19:657-659 (1908)

09 The California earthquake of 1906. Am J Sc (4) 27:48-52 (1909)

17 Hydraulic-mining debris in the Sierra Nevada. U S G S, P P 105:154 pp (1917) (*abst*) by R. W. Stone, Wash Ac Sc, J 7:600-601 (1917) M Sc Press 116:371-374 (1918)

28 Studies of Basin-Range structure. U S G S, P P 153:92, 70 pls (1928)

Gilbert, James Zaccheus.

08 Ancestors of our whales; Miocene (remains of a Miocene whale found at Los Angeles, Cal.). S Cal Ac Sc, B 7:20-22, il (1908)

10 The fossils of Rancho la Brea. S Cal Ac Sc, B 9:11-51, il (1910) (*abst*) G Zentralbl 15:607 (1911)

10a *Evesthes jordani*, a primitive flounder from the Miocene of California. Cal Univ, Dp G, B 5:405-411, il (1910) (*abst*) Rv crit Paleozool J 14:327 (1910) G Zentralbl 16:60 (1911)

20 (with **Jordan,** David Starr) Fossil fishes of diatom beds of Lompoc, California. Leland Stanford Jr Univ Pub, Univ Ser, 44 pp, 29 pls (1920)

21 Family Muraenidae, *Deprandus lestes* Jordan and Gilbert, new genus and species. S Cal Ac Sc, B 20:29-30, 1 fig (1921)

22 (and **Jordan,** D. S.) Cenozoic fishes of California. Nature 110:397 (1922)

27 The bone drift in the tar-beds of Rancho La Brea. S Cal Ac Sc, B 26:59-66, 8 figs (September-December, 1927)

Giles, W. B.

03 Bakerite (a new borosilicate of calcium) and howlite from California. Miner Mag 13:353-355 (1903)

03a Mittheilungen über Howlit und andere Borosilikate aus den Ablagerungen von Bormineralien in Californien. Centralbl Miner 1903:334 (1903)

Gill, H. V.

06 On a possible connection between the eruption of Vesuvius and the earthquake at San Francisco in April, 1906. R. Dublin Soc, Sc Pr (n s) 11:107-110 (1906)

Gillan, S. L.

17 Cinnabar in the Sierra Nevada. M Sc Press 114:79 (1917)

29 An algal limestone in southern California. Am As Petroleum G, B (Research note) 13:1485-1486, 1 fig (1929)

Gillson, Joseph L.

29 Bathygenetic and orogenetic movements. Science (n s) 69:194-195 (February 1929)

Gilmore, Charles W.

28 (and **Merriam,** John Campbell) An Ichthyosaurian reptile from marine Cretaceous of Oregon. Carnegie Inst, Wash, Pub 393:1-4 (May 14, 1928)

Girty, George Herbert.

09 Upper Carboniferous. J G 17:305-319 (1909)

Gladhill, T. L.

21 Iridosmine crystals from Ruby Creek, Atlin district, B. C. Univ Toronto Studies, G Ser 12:40-42, 1 fig (1921) Min Absts 1:410 (1922)

Glasgow, J. W.

16 Tungsten mining at Atolia, California. M Oil B 2, no 2:31-32 (1916)

Glassey, T. W.

29 (with **Watson,** E. B., **Storie,** R. Earle, and **Cosby,** Stanley W.) Soil survey of the Chico area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1925, no 4:48 pp, 2 pls, 1 fig, 1 map (1929)

30 (with **Carpenter,** E. J., **Strahorn,** A. T., and **Storie,** R. Earle) Soil survey of the Oroville area, California. U S Dp Agr, Bur Chem and Soils, Ser 1926, no 4:1-63 pp, 3 pls, 1 fig, 1 map (1930)

Glaze, H. L.

30 Borax ore preparation in Death Valley. Chem Met Eng 37:296-298 (1930)

Gledhill, Edward.

02 The analogy between the gold "cintas" of Colombia and the auriferous

Gledhill, Edward—Cont.

gravels of California. Inst M Eng, Tr 20:391-400 (1902)

Goddard, George H.

56 Report of a survey of portions of the eastern boundary of California, and a reconnaissance of the old Carson and Johnson immigrant roads over the Sierra Nevada. *In* An Rp Surveyor General 1856, Assembly Doc 5, Session of 1856, pp 91-186

Godde, H. A.

23 (and **Copp**, W. W.) Report on southeastern portion of thirty-five anticline, Sunset oil field, Kern County, California. Cal St M Bur, Summary of Operations, California Oil Fields, 9, no 5:5-33, 7 pls (incl maps), (November, 1923)

24 Oil fields of Ventura County. Cal St M Bur, Summary of Operations, California Oil Fields 10, no 5:5-24, 4 pls (maps), (1924) Oil Gas J 23:73-74, 76, 78 (April 9, 1925)

26 (and **Keyes**, R. L.) Report on the northeastern flank of the Buena Vista Hills, Midway oil field, Kern County, California. Cal St M Bur, Summary of Operations, California Oil Fields, 12, no 1:5-12, 1 fig, 3 pls (1926)

27 (and **Musser**, E. H.) Development of the Maricopa shale production in the southeastern portion of thirty-five anticline, Sunset oil field, Kern County, California. Cal St M Bur, Summary of Operations, California Oil Fields, 12, no 11:5-17, 3 pls (1927)

28 Miocene formations in the East Side fields of Kern County, California. Dp Nat Res, Div Mines and Mining, Summary Operations, California Oil Fields 14, no 1:5-15 (July, 1928) (*ann*) An Bib Ec G 2:135 (1929) (*abst*) Eng Index 1929:1301 (1930)

Goldsmith, E.

73 Trautwincite, a new mineral. Ac N Sc Phila, Pr 1873:1-2, 348-349 (1873)

73a Analysis of chromite from Monterey Co., Cal. Ac N Sc Phila, Pr 1873: 365-366 (1873) (*abst*) G Rec 1874: 233 (1875)

73b Stibioferrite, a new mineral from Santa Clara Co., Cal. Ac N Sc Phila, Pr 1873:336-369 (1873) (*abst*) G Rec 1874: 234 (1875) Am J Sc (3) 7:152 (1874)

74 The blue gravel of California. Ac N Sc Phila, Pr 1874:73-74 (1874) (*abst*) G Rec 1874:117 (1875)

76 On boussingaultite and other minerals from Sonoma Co., Cal. Ac N Sc Phila, Pr 1876:264-266 (1876) (*abst*) G Rec 1877:234 (1880)

Goldstone, L. P.

90 Fresno, Sierra, Tuolumne counties. Cal St M Bur, St Mineralogist's An Rp 10:183-204, 642-654, 734-757 (1890)

Goodale, George L.

67 The geysers of California. Am Nat 1:337-342 (1867)

Goode, R. U.

97 (with **Wilson**, H. M., **Renshawe**, J. H., and **Douglas**, E. M.) Triangulation and spirit leveling. U S G S, An Rp 18 pt 1:131-433, pls ii-iv, California 403-422 (1897)... An Rp 19 pt 1:145-408, California 381-408 (1898)... An Rp 20, pt. 1:211-530, California 457-470 (1899)... An Rp 21 pt 1:205-582, California 524-552 (1900)

01 (with **Wilson**, H. M., **Renshawe**, J. H., and **Douglas**, E. M.) Primary triangulation and primary traverse. Fiscal year 1900-'01. U S G S, B 181:240 pp., California 208-223 (1901)... 1901-02 201:164 pp, California 138-155 (1902)

01a (with **Wilson**, H. M., **Renshawe**, J H., and **Douglas**, E. M.) Results of spirit leveling, fiscal year 1900-1901. U S G S, B 185:219 pp, California 155-194 (1904)

Goodyear, Watson Andrews.

68 Salt Spring Valley and the adjacent region in Calaveras County. Cal Ac N Sc, Pr 3:387-399 (1868)

73 Diamonds in El Dorado County. *In* R. W. Raymond Fourth Report on Mineral Resources of the States and Territories west of the Mississippi. 1871:27 (1873)

73a Notes on the high Sierra south of Mount Whitney. Cal Ac Sc, Pr 5:180-183 (1873)

77 The coal mines of the western coast of the United States. 153 pp, San Francisco (1877), California 5-82 (*abst*) G Rec 1877:123 (1880)

79 The auriferous gravels of California. M Sc Press 39:182-183 (1879) Eng M J 28: 280, 299-300 (1879)

80 Review of field notes of 1871, and discussion of general topics connected with the (auriferous) gravel question (California). Harvard Coll, Mus C Z, Mem 6 no 1:488-526 (1880)

82 Detailed description of the Monte Diablo coal field; additional notes on the Monte Diablo coal mines. Cal G S, Geology 2 App:3-32 (1882)

82a Notes descriptive of the condition of the Corral Hollow coal mines. Cal G S, Geology 2 App:35-40 (1882)

82b Report on an examination of the quicksilver mines of California. Cal G S, Geology 2 App:91-135 (1882)

88 Petroleum, asphaltum and natural gas. Cal St M Bur, An Rp 7:63-114 (1888)

Goodyear, Watson Andrews—Cont.

88a California coal. Cal St M Bur, An Rp 7:117-178 (1888)

88b Kern County. Cal St M Bur, St Mineralogist's An Rp 8:309-324 (1888)

88c History of Mount Whitney. Cal St M Bur, St Mineralogist's An Rp 8:230-232 (1888)

88d Inyo County. Cal St M Bur, St Mineralogist's An Rp 8:224-288, 15 ill (1888)

88e Tulare County. Cal St M Bur, St Mineralogist's An Rp 8:643-652 (1888)

88f Los Angeles County. Cal St M Bur, St Mineralogist's An Rp 8:335-342 (1888)

88g Notes on the high Sierra south of Mount Whitney. Cal St M Bur, St Mineralogist's An Rp 8:649-652 (1888)

88h San Bernardino County. Cal St M Bur, St Mineralogist's An Rp 8:504-512 (1888)

88i The Owens Valley earthquake. Cal St M Bur, St Mineralogist's An Rp 8:288-309 (1888)

90 Alameda, Colusa, Contra Costa, Lake, Marin, Mendocino, Napa, Solano, Sonoma, Yolo counties. Cal St M Bur, St Mineralogist's An Rp 10:91-95, 153-154, 165, 227-271, 299, 314-322, 349-363, 669-671, 672-679, 793-794 (1890)

90a San Diego County; Santa Cruz Island. Cal St M Bur, St Mineralogist's An Rp 9:139-155, 155-170, map (1890)

Goranson, Roy W.

24 A correlation of the Mesozoic formations of the Pacific coast of North America. Am J Sc (5) 8:61-78, 159-182 (1924) (*abst*) G Zentralbl 32:499 (1925)

Gordon, C. H.

14 Bauxite. Min Ind 22:47-50, California 49 (1914)... 23:30-40, California 35 (1915)

Gordon, Laura de Force.

77 The great geysers of California and how to reach them. 53 pp (1877)

Gore, F. D.

22 Report on water condition in northwesterly part of Cat Canyon oil field. Cal St M Bur, Summary of Operations, California Oil Fields, Mo Chapter of State oil and gas supervisor, An Rp 7, no 9:12-17 (March, 1922)

23 Oil shale in Santa Barbara County, Cal. Cal St M Bur, Mining in California 19, no 4:211-224, 5 figs, 2 pls (maps), (1923) Am As Petroleum G, B 8:459-472, 5 figs (1924)

Goudkoff, Paul P.

26 Correlative value of the microlithology and micropaleontology of the oil-bearing formations in the Sunset-Midway and Kern River oil fields. Am As Petroleum G, B 10:482-494, 4 figs (1926) Oil Bull 12:901 (August, 1926)

Gould, H. W.

28 Quicksilver. Min Ind 36:514-521, California 516 (1928)... 37:538-554, California 540 (1929)... 38:555-561, California 557-558 (1930)

Grad, Ch.

71 Note sur les glaciers de l'ouest de Etats-Unis Soc G France, B (2) 28:121-130 (1871)

Graeff, F. W.

10 Nitrate deposits of southern California. Eng M J 90:173 (1910)

Grant, Ulysses S. IV.

27 (and **Cushman**, J. A.) Late Tertiary and Quaternary Elphidiums of the West Coast of North America. San Diego Soc N H, Tr 5:69-82, 2 pls (1927) (*abst*) Rv Geol et Sci conn 8:355-356 (1927) G Zentralbl 42:304 (1930)

30 *Mytilus loeli*, a new name for *Mytilus kewi* Wiedey (not *Mytilus kewi* Nomland) J Paleo 4:419-420 (1930)

Grant, William M.

22 (and **Hanna**, G. Dallas) Genera of diatoms characteristic of marine and fresh waters. Cal St M Bur, St Mineralogist's Rp 18:59-76, 5 pls, 51 figs (1922)

29 (and **Hanna**, G. Dallas) Brackish water Pliocene diatoms from the Etchegoin formation of central California. J Paleontology 3:87-102, 4 pls, 22 figs (1929)

Graser, F. A.

27 Recent development in the Huntington Beach oil field. Cal St M Bur, Summary of Operations California Oil Fields, 12, no 12:5-16, 7 pls (1927) (*abst*) Eng Index 1928:1228 (1929)

Graton, Louis Caryl.

05 (and **Schaller**, W. T.) Purpurite, a new mineral. Am J Sc (4) 20:146-151 (1905) Zs Kryst 41:433-438 (1905)

05a (and **Hess**, Frank L.) The occurrence and distribution of tin. U S G S, B 260:161-187, California 165-166 (1905) (*abst*) G Zentralbl 8:2 (1906)

07 Copper. U S G S, Min Res, Calendar Year 1906:373-438, California 379, 381-383, 392-395 (1907)... 1907:571-644, California 578, 581-582, 584-585, 587-589, 599-601, 631 (1908)

10 The occurrence of copper in Shasta County, Cal. U S G S, B 430:71-111 (1910) (*abst*) Eng Index 1910:364 (1911)

Graton, Louis Caryl—Cont.

17 (and **McLaughlin**, D. H.) Ore deposition and enrichment at Engels, Cal. Ec G 12:1-38 (1917)

18 (and **McLaughlin**, D. H.) Further remarks on the ores of Engels, Cal. Ec G 13:81-99 (1918)

Graves, A. W.

28 The identification of dumortierite as grains: dumortierite in Cornish granite. Miner Mag 21:489-492, 3 figs, California 491 (1928)

Greeley, O. F.

01 Illustrated historical brochure of Tuolumne County, California, with map showing all patent mines and the mineral belts coursing through the county. 93 pp: The Progressive Assoc, Sonora, Tuolumne County, Cal (1901)

Green, W. E.

25 Drill deepest well in California and establish five world records. Oil Age, 22:14-15, 17 (October, 1925)

Greene, F. V.

89 Asphalt and its uses. Am I M Eng, Tr 17:355-373, California 360, Discussion 373-375 (1889)

Gregory, Herbert E.

23 Reconnaissance traverse from Mojave Ulojane, California, to Rock Creek, Utah (*abst*) G Soc Am, B 34:74 (1923)

23a (and **Noble**, Levi F.) Notes on a geological traverse from Mojave, California, to the mouth of San Juan river, Utah. Am J Sc (5) 5:229-238 (1923) G Zentralbl 29:402 (1923)... 30:369 (1924) N Jb 1925, Band 1:257-258 (1925)

Gregory, J. W.

05 The ore deposits of Mount Lyell, California. M Sc Press 91: 75-76, 90-91 (1905)

Gregory, William K.

27 (and **Kellogg**, Remington) A fossil porpoise from California. Am Mus Novitates no 269:7 pp, 3 fig (May 20, 1927) (*abst*) G Zentralbl 37:57 (1928)

Grewingk, Constantin (1819-1887).

48 Beitrag zur Kenntniss der geognostischen Beschaffenheit Californiens. Russ K Min Ges, St Petersburg, Verh 1847:142-162 (1848)

50 Die an der Westkuste Nord-Amerika's und auf den Aleutischen Inseln bisher gefundenen fossilen Thier- und Pflanzen-Reste. Russ K Min Ges, St. Petersburg, Verh, 1848-9:343-366, il (1850)

Grimes, F. C.

25 Half Moon has good oil chance. Cal Oil World, 17:2 (July 9, 1925)

25a Possibility of light oil production indicated by Temblor Hills geology. Cal Oil World, 17:3, 11 (July 2, 1925)

Grimsley, George Perry,

99 The gold deposits of Nevada County, California. Eng M J 68:487 (1899) (*abst*) Inst M Eng, Tr 18:516 (1900)

05 Gypsum. U S G S, Min Res, Calendar Year 1904:1037-1052, California 1039, 1044-1045 (1905)

Grinnell, Fordyce, Jr.

08 Quaternary myriopods and insects of California. Cal Univ, Dp G, B 5, no 12:207-215, 2 pls (1908)

Griswold, W. T.

06 Natural gas. U S G S, Min Res, Calendar Year 1905: 799-812, California 800, 802-803, 805-806 (1906)

06a Petroleum. U S G S, Min Res, Calendar Year 1905:813-920, California 813-818, 820-821, 874-875 (1906)... 1906: 827-896, California 827, 829-831, 833-834, 873-879 (1907)

Grizzle, M. A.

23 Geochemical relationship of waters encountered in the Huntington Beach field. Cal St M Bur, Summary of Operations, California Oil Fields 9, no 6:17-28 (1923)

Grover, N. C.

15 Contributions to the hydrology of the United States, 1914. U S G S, W-S P 345:225 pp, 17 pls (1915)... 1915 W-S P 375: 181 pp, 9 pls (1916)... 1916 W-S P 400:iv, 108 pp, 7 pls (1917)... 1919 W-S P 450:86 pp, 11 pls (1921)... 1928 W-S P 597:250 pp, 23 pls (1929)

16 (with **McGlashan** and **Henshaw**, F. F.) Surface water supply of the United States, Part XI, Pacific slope basins in California, 1913. U S G S, W-S P 361:514 pp, 2 pls (1916)... 1914, 391:334, xxxvi pp, 2 pls (1917)... 1915, 411:345, xxxvi pp, 8 pls (1918)... 1916, 441: 330, xxxvi pp, 2 pls (1918)... 1917, 461:314, xxxvii pp, 2 pls (1920)... 1918, 481:314, xxxviii pp, 2 pls (1921)... 1919-20, 511:vii, 456 pp, 2 pls (1923)... 1921, 531:vii, 304 pp, 2 pls (1925)... 1922, 551:viii, 405 pp, 2 pls (1927)... 1923, 571:viii, 431 pp (1928)... 1924, 591:viii 448 pp (1928)... 1925, 611:viii, 383 pp (1929)... 1926, 631:ix, 419 pp (1930)

Grunsky, C. E.

89 Artesian wells in California. M Sc Press 59:357, 375, 393, 400 (1889)

Grunsky, C. E.—Cont.

98 Irrigation near Bakersfield, California. U S G S, W-S P 17:96 pp, 16 pls (1898)

98a Irrigation near Fresno, California. U S G S, W-S P 18:94 pp, 14 pls (1898)

99 Irrigation near Merced, California. U S G S, W-S P 19:59 pp, 11 pls (1899)

27 A contribution to the climatology of the Ice Age. Cal Ac Sc, Pr (4) 16, no 2:58-85, figs 1-4, pl 1 (1927)

Grunsky, E. L.

30 (**Floris**, A. and **Morris**, S. B.) Essential facts concerning the failure of the St. Francis dam; Report of committee of board of direction (discussion). Am Soc Civil Eng, Pr 56:1023-1032 (1930)

Guadalupe Mining Co. of Santa Clara County, Cal.

52 Pamphlet. 57 pp, New York (1852)

Guernsey, J. E.

19 (with **Koeber**, James, **Zinn**, C. J., **Eckmann**, E. C., and **Lapham**, Macy H.) Soil survey of the Honey Lake area, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2255-2314, pls 56-57 and pl C, map (no 60) 1919

19a (with **Nelson**, J. E., **Holmes**, L. C., **Eckmann**, E. C., and **Lapham**, M. H.) Reconnaissance soil survey of the lower San Joaquin Valley, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2583-2733, pls 73-75, map 65, (1919)

19b (with **Harrington**, G. L., **Holmes**, L. C., **Eckmann**, E. C., **Zinn**, C. J., and **Lapham**, M. H.) Soil survey of the San Fernando Valley area, California. U S Dp Agr, Bur Soils, Rp 17:2451-2507, pls 65-68, map 63 (1919)

21 (with **Eckmann**, E. C., **Strahorn**, A. T., **Holmes**, L. C., **Lapham**, Macy H.) Soil survey of the Anaheim area, California. U S Dp Agr, Bur Soils, Rp 18:2271-2345, pls 63-65, map 58 (1921)

21a (with **Holmes**, L. C., **Eckmann**, E. C., **Nelson**, J. W., and **Lapham**, M. H.) Reconnaissance soil survey of the middle San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 18:2421-2529, pls 62-71, map 60 (1921)

23 (with **Dunn**, J. E., **Holmes**, L. C., **Strahorn**, A. T., and **Lapham**, M. H.) Reconnaissance soil survey of the central southern area, California. U S Dp Agr, Bur Soils, Rp 19:2405-2534, pls 59-63, maps 57-58 (1923)

Guild, F. N.

11 Atacamit und anglesit von Californien. Zs Kryst 49:331 (1911)

11a Mineralogische notizen. Zs Kryst 49:321 (1911)

Guild, F. N.—Cont.

21 (with **Wartman**, F. S.) Wulfenite from Lavic, California. Am Mineralogist 6:167-168, 2 figs (1921) Min Absts 1:420 (1922)

Guillemin-Tarayre, Ed.

71 Description des anciennes possessions mexicaines du nord. France, Mission Scientifique au Mexique et dans l'Amerique Centrale, Geologie pt 2:216 pp, maps, Paris (1871)

Guilliver, Frederick P.

96 Cuspate forelands. G Soc Am, B 7:399-422, California 418 (1896), (*abst*) Am G 17:98 (1896), Science (n s) 3:51 (1896)

Gunter, Herman.

26 Fuller's earth. Min Ind, 34:285-286, California 285 (1926)... 35:252-253, California 252 (1927)

Gunther, A. E.

29 The Sierra Nevada of the Upper Kern River, Cal. The Alpine Journal 41, no 239: 328-340 (November, 1929)

Gunther, Charles Godfrey.

05 An interesting fault-system, California. Eng M J, 80:1013, 1 fig (1905)

06 Gold mining in Siskiyou Co. M Min 26:543-544 (1906) (*abst*) Eng Index 1906: 281 (1907)

Gutzkow, F.

86 Hydromagnesite from Livermore, California. Cal St M Bur, St Mineralogist's An Rp 6:74 (pt 2), (1886)

88 Magnesiadarstellung in Kalifornien. Dingler's polytechnische Journ, 270, pp 30-38, 1888, Stuttgart.

Haase, Leo G.

26 Little geological studies in southern California (author's illustrated notes on geological formations in southern California). 24 pp, il, Long Beach, California (1926) (*abst*) Biol Absts 1:719 (1927)

Haehl, Harry Lewis.

04 (and **Arnold**, Ralph) The Miocene diabase of the Santa Cruz Mountains in San Mateo County, Cal. Am Ph Soc, Pr 43:16-53, map (1904) (*abst*) G Zentralbl 9:420 (1907)

07 (and others) Report of committee (of the San Francisco Association of members of the American Society of Civil Engineers) on the geology of the (San Francisco) earthquake. Am Soc Civil Eng, Pr 33:307-313 (1907) Tr 59:216-222 (1907)

Hager, Dorsey.

11 Cave-ins in oil wells. M Sc Press 103:166-167 (1911) (*abst*) Eng Index 1911: 408 (1912)

13 Anticlinal dome structure in California oil fields. Western Eng 3:196-199 (1913)... 4:28-30 (1914)

14 Effects of faulting in oil fields. Western Eng 4:442-445, 10 figs (1914)

14a Unconformities and overlap and their effects on oil fields. Western Eng 5:168-169, 5 figs (1914)

15 The new South Mountain oil field, Ventura County, Cal. Western Eng 5:341-342 (1915)

18 The search for new oil pools in the United States. Eng M J 105:11-12 (1918)

Haggin, J. B.

66 Record of strata in artesian well. Cal St M Bur, An Rp 6, pt 1:56-57 (1866)

Hague, Arnold (1840-1917)

77 (and **Emmons,** S. F.) Descriptive geology, U S G Expl 40th Par (King), 2: 890 pp (1877)

83 Administrative report. U S G S, division of the Pacific 1881-1882. U S G S, An Rp 3:10-14 (1883)

83a (and **Iddings,** J. P.) Notes on the volcanoes of northern California, Oregon and Washington Territory. Am J Sc (3), 26:222-235 (1883), (*abst*) by M. E. Wadsworth, Am Nat 18:526-528 (1883)

84 (and **Iddings,** J. P.) Notes on the volcanic rocks of the Great Basin. Am J Sc (3) 27:453-463 (1884)

Hague, James D.

74 (and **King,** Clarence) Report on property of Sierra Iron and Mining Company. *In* Raymond Statistics of mines and mining in the States and Territories west of the Rocky Mountains (6th An Rp), 44-46 (1874)

Hague, William.

14 (and **Pagan,** W. D.) The North Star mine, Grass Valley. M Sc Press 109:549-552 (1914) (*abst*) Eng Index 1914:407 (1915)

Hake, Benjamin F.

26 Occurrence of *Pholadomya* in the Miocene of California. (*abst*) G Soc Am, B 37:214 (1926) (*abst*) G Zentralbl 41:441 (1930)

28 Scarps of the southwestern Sierra Nevada, California. G Soc Am, B 39:1017-1030, 2 figs (1928) (*abst*) Pan Am G 47:158 (1927)

Hale, Sidney A.

24 (and **Tryon,** F. G.) Coal. U S G S, Min Res, Calendar Year 1921:445-662, California 462, 472, 474, 478, 481, 527, 531, 533, 566 (1924)... 1922:439-669, California 582 (1925)

Haley, Charles Scott.

22 Dry placers of southern California. Cal St M Bur, Mining in California 18, no 7:321-324 (1922)

22a Tertiary sluice robbers. Cal St M Bur, Mining in California 18, no 10:550-553 (1922)

22b Progress report on placer gold investigation. Cal St M Bur, St Mineralogist's Rp 18:373-374 (1922)

23 Primary and secondary gold concentrations. Cal St M Bur, Mining in California 19, no 1:38-40 (1923) M Metal 4, no 203:564 (1923)

23a Gold placers of California. Cal St M Bur, B 92:167 pp, 36 figs, 7 pls (1923)

Hall, Ansel F.

25 The Lost Lake of Little Yosemite Valley. Yosemite Nature Notes, 4 no 14: 78-79 (1925)

Hall, E. B.

16 (and **Ambrose,** A. W.) Descriptions of new species from the Cretaceous and Tertiary of the Tesla, Pleasanton, San Jose and Mt. Hamilton quadrangles, Cal. Nautilus 30:68-71, 77-82 (1916)

Hall, E. Raymond.

27 Species of the mammalian subfamily Bassariscinae. Cal Univ, Dp G, B 16:435-448, 1 pl, 2 figs (1928)

30 Rodents and Lagomorphs from the Barstow beds of southern California. Cal Univ, Dp G, B 19:313-318, 7 figs (1930)

Hall, Frank Henry.

93 Ancient gravels, Siskiyou County, Cal. M Sc Press 66:85 (1893)

Hall, James (1811-1898).

45 Nature of the geological formations occupying the portion of Oregon and north California included in a geographical survey under direction of Captain Frémont. *In* Frémont, J. C., A report of the exploring expedition to Oregon and north California in the years 1843-44; U S, 28th cong, 2d sess, S Ex Doc 174: 295-303 (1845); H Ex Doc 166:295-303 (1845)

45a Descriptions of organic remains collected by Captain J. C. Frémont, in the geographical survey of Oregon and north California. *In* Frémont, J. C., A report of the exploring expedition to Oregon and north California in the years 1843-44; U S, 28th cong, 2d sess, S Ex Doc 174: 304-310, il (1845); H Ex Doc 116:304-310. 11 (1845)

Hall, James—Cont.

52 A chart giving an ideal section of the successive formations, with an actual geological section from the Atlantic to the Pacific ocean, the whole illustrated by the characteristic fossils of each formation. 58 x 71 inches, Albany, N. Y. (1852)

52a Key to a chart of the successive geological formations from the Atlantic to the Pacific ocean, illustrated by the characteristic fossils of each formation. 72 pp, Boston (1852)

57 Geology and paleontology of the boundary. *In* Emory, W. H., Report on the United States and Mexican boundary survey... (U S, 34th cong, 1st sess, S Ex Doc 108 and H Ex Doc 135), v 1, pt 2:101-140, map (1857) pp 126-138 Observations upon the Cretaceous strata of the United States... reprinted in Am J Sc (2) 24:72-86 (1857)

57a (assisted by **Lesley**, J. P.) Map illustrating the general geological features of the country west of the Mississippi River (1857)

Hall, William Hammund.

88 Irrigation in southern California. 672 pp, ills, 12 pls, 3 maps (1888)

Halley, William.

76 Centennial Year Book of Alameda County, California. 586 pp. Great Earthquake of October, 1868, 257-269 (1876)

Hallock, William.

03 An ascent of Mt. Whitney, Cal., with notes on the geology. (*abst*) Science (n s) 17:505 (1903) G Zentralbl 9:468 (1907)

03a Mount Whitney, California. Appalachia 10:135-142 (1903)

Halloway, G. H.

96 (and **Redwood**, Sir Boverton) Petroleum and its products. 2 vols, ills, maps, tables, diagrams. London, C Griffin and Co Ltd, Phila, J B Lippincott Co (1896)

Hamilton, F. McN.

14 Pyrite in California. Min Ind, 22:700 (1914)

14a Salt in California. Min Ind, 22:683-684 (1914)

15 Magnesite in California. Min Ind, 23:501-503 (1915)

15a Mineral industry, California, for 1914. Cal St M Bur, B 70:184 pp (1915)

16 Production of quicksilver in California in 1915. Eng M J 101:508 (1916)

16a Administrative statement. Cal St M Bur, Rp 14 of the State Mineralogist: xix-xxiii (1916)

Hamilton, F. McN.—Cont.

18 Magnesite, its occurrence and applications. Mineral Foote-Notes 2, no 1:2-5 (1918)

19 Administrative statement. Cal St M Bur, St Mineralogist's Report 15; xxiii-xxx (1919)

19a Sixteenth report of the State Mineralogist for the period 1917-1918. (Includes Mines and Mineral Resources of Sierra, Nevada and Plumas counties) (1919-1920)

21 Seventeenth report of the State Mineralogist: Mining in California during 1920. Cal St M Bur, Rp 17:562 pp, 62 figs, 9 pls (1921)

21a. Quicksilver in California. Eng M J 111:148 (1921)

22 California's mineral resources and the State Mining Bureau. Cal St M Bur, Mining in California 18, no 11:618-627 (1922)

22a Review of mining in California during 1921 with notes on the outlook for 1922. Cal St M Bur, preliminary Rp 8:68 pp (1922)

22b Eighteenth report of the State Mineralogist: Mining in California and the activities of the State Mining Bureau. 767 pp (1922) (*abst*) Eng Index 1923:448 (1924)

23 (and **Root**, Lloyd L.) Nineteenth report of the State Mineralogist: Mining in California and the activities of the State Mining Bureau: 258 pp (1923)

Hamilton, W. R.

04 (with **Kessler**, H. H.) The orbicular gabbro of Dehesa, Cal. Am G, 34:133-140 (1904)

21 Development of petroleum geology in California. Am As Petroleum G, B 5:457-460 (1921)

Hamilton, Wilson.

86 The new empire and her representative men. 184 pp, Chap 1, Topography; Chap 5, Gold and Silver; Chap 9, Other Minerals; Chap 10, Yosemite (1886)

Hamlin, Homer (1864-1920).

04 Water resources of the Salinas Valley, California. U S G S, W-S P 89:91 pp, 12 pls (1904)

05 Underflow tests in the drainage basin of Los Angeles River. U S G S, W-S P 112:55 pp, 7 pls (1905)

17 Miscellaneous earthquakes in southern and eastern California. Seism Soc Am, B 7:113-118 (1917)

18 Earthquakes in southern California. Seism Soc Am, B 8:20-24 (1918)

Hamlin, Homer—Cont.

18a Aftershocks of the San Jacinto earthquake of April 21, 1918. Seism Soc Am B 8:131-134 (1918)

21 Report on geological examination of Iron Canyon Dam and reservoir site. *In* Report on Iron Canyon Project, California, by Homer J. Gault and W. F. McClure: U. S. Reclamation Service in cooperation with the State of California and the Iron Canyon Project Association, pp. 41-59, 9 pls, Washington, Government Printing Office (1921)

Hamman, William David.

12 Potash solutions in the Searles Lake region (Cal.). M Science 65:372-373, 391-392 (1912)

12a The Searles Lake potash deposit. Eng M J 93:975-976 (1912) (*abst*) Eng Index 1912:437 (1913)

15 Practical geology and mineralogy. 224 pp, South Pasadena. Cal (1911), Revised ed, 253 pp (1915)

Hammon, J. B.

24 (with **Watson**, E. B., and **Lapham**, M. H.) Soil survey of the Grass Valley area, California. U S Dp Agr, Bur Soils, Rp 20:1689-1724, pls 31-33, map 45 (1924)

24a (with **Strahorn**, A. T., **Watson**, E. B., **Kocher**, A. E., **Eckmann**, E. C., and **Lapham**, M. H.) Soil survey of the El Centro area, California. U S Dp Agr, Bur Soils, Rp 20:1633-1687, pls 27-30, maps 43-44 (1924)

Hammond, John Hays.

82 The auriferous gravels of California. *In* H. C. Burchard, Report of the U. S. Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1881:616-630 (1882)

90 The auriferous gravels of California; geology of their occurrence and methods of their exploitation. Cal St M Bur, An Rp 9:105-138 (1890) (*abst*) Eng M J 50: 310-311 (1890)

90a Mining of gold ores in California. Cal St M Bur, An Rp 10:852-882 (1890)

Hamor, W. A.

16 (and **Bacon**, Raymond Foss) The American Petroleum industry. 2 vols, 963 pp, N Y (1916)

Haney, Marshall.

20 Manganese. Min Ind, 28:442-460, California 442, 448 (1920)

Hanks, Henry Garber (1826-1907).

73 Notes on cuproscheelite. Cal Ac Sc, Pr 5:133-134 (1873)

81 Annual report of the (California) State Mineralogist from June 1, 1880, to December 1, 1880. Cal St M Bur: 43 pp, Sacramento (1881)

Hanks, Henry Garber—Cont.

81a Quicksilver. Cal St M Bur, St. Mineralogist's An Rp 1:26-27 (1881)

81b Notes on roscoelite. M Sc Press 42:428 (1881)

82 Quicksilver, receipts at San Francisco, charging sluices with, loss of, retorting. Cal St M Bur, St Mineralogist's An Rp 2:24, 112, 116, 117, 121 (1882)

82a Diatoms and diatomaceous earths. Cal St M Bur, St Mineralogist's An Rp 2:266-270 (1882)

82b Diamonds in California. Cal St M Bur, St Mineralogist's An Rp 2:241-254 (1882)

82c Mud volcanoes and Colorado Desert. Cal St M Bur, St Mineralogist's An Rp 2:227-240 (1882)

82d Cal St M Bur, second report of the State mineralogist, from December 1, 1880, to October 1, 1882. 226 pp, Sacramento (1882)

82e Catalogue of the State Museum of California. 350 pp, Sacramento, Cal (1882)

82f On the occurrence of vivianite in Los Angeles County. M Sc Press 44:160 (1882)

82g Notes on mica. M Sc Press 44:113, 129 (1882)

83 Placer gold. *In* H. C. Burchard, Report of the U. S. Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1882:728-732 (1883)

83a Borax. Cal St M Bur, St Mineralogist's An Rp (Part 2) 3:7-111 (1883)

83b Third annual report of the State mineralogist for the year ending June 1, 1883. Cal St M Bur: 111 pp, map, Sacramento (1883) (Includes Report on the borax deposits of California and Nevada)

84 Cassiterite. Cal St Min Bur, St Mineralogist's An Rp 4:115-123, Sacramento (1884)

84a Quicksilver. Cal St M Bur, St Mineralogist's An Rp 4:328-344 (1884)

84b Catalogue and Description of the Minerals of California. Cal S M Bur, St Mineralogist's An Rp 4:63-398 (1884) Eng M J 38:392 (1884)

84c History of the geological surveys of the state. Cal St M Bur, St Mineralogist's An Rp 4:21-27 (1884)

84d Cal St M Bur, fourth annual report of the State Mineralogist, for the year ending May 15, 1884. 410 pp, Sacramento (1884). (Includes catalogue and description of the minerals of California...) (*abst*) N Jb 1885, 2 (Referate):405-406 (1885)

85 Cal St M Bur, fifth annual report of the State Mineralogist, for the year end-

Hanks, Henry Garber—Cont.

ing May 15, 1885. 235 pp, Sacramento (1885)

86 California minerals. Cal St M Bur, St Mineralogist's An Rp (Part 1) 6:91-141...(1886)

86a Cal St M Bur, sixth annual report of the State Mineralogist, Part 1, for the year ending June 1, 1886. 145 pp, maps, Sacramento (1886) (Includes catalog of minerals) (*abst*) N Jb 1887, Band 2 (Referate) 474 (1887)

88 Diamonds (reprint). Cal St M Bur, St Mineralogist's An Rp 8:105-106 (1888)

88a Interesting and unusual association of California minerals. M Sc Press 57:358 (1888)

88b Pectolite. M Sc Press 56:37, 44 (1888)

89 On the occurrence of hanksite in California. Am J Sc (3) 37:63-66 (1889) (*abst*) Nature 39:310 (1889)

89a Gold in river channels. M Sc Press 58:485 (1889)

89b Mercurial minerals and their associates. M Sc Press 59:298-299, 318-319 (1889)

90 On certain magnetic rocks of Arizona and California. A paper read before the San Francisco Microscopical Society, November 19, 1890, 4 pp (1890)

90a Gold belt of Northern California. M Sc Press 60:394, 395, 412, 428, 429 (1890)

90b Deep gold placers of California. M Sc Press 60:231, 237, 249, 255, 264, 271, 280, 296, 314, 315, 330, 331, 337, 347, 353, 361, 362, 378, 384 (1890)

92 Gaylussite (new variety, San Bernardino County, Cal.). M Sc Press 64:222 (1892)

95 The mineral hydrocarbons. M Sc Press 70:38-39, 56, 71, 88, 109, 136, 150, 189, 263, 284, 320, 393 (1895)... 71:14 (1895)...

01 The deep-lying auriferous gravels and table mountains of California. 15 pp, 6 pls, San Francisco (1901) G Zentralbl 9:428 (1907) Eng M J 74:18 (1902)

05 Notes on "aragotite," a rare California mineral. R Micro Soc, J 1905:673-676

Hanna, G. Dallas.

19 (Report of) Department of Invertebrate Paleontology for 1919: Cal Ac Sc Pr (4) 9:387-389 (1920)... 1920 10:143-146 (1921)... 1921 11:636-638 (1922)... 1922 11: 680-682 (1923)... 1923 12:1264-1265 (1924)... 1924 13:476-478 (1925)... 1925 14:546-547 (1926)... 1926 15:538 (1927)... 1927 16:745-747 (1928)... 1928 17:331-333 (1929)

20 Miocene land shells from Oregon. Kans Univ Sci B 13:3-11, 1 pl (1920) (*abst*) Rv Geol et Sci conn 4:366 (1923)

22 (and **Grant,** William M.) Genera of diatoms characteristic of marine and fresh water. Cal St M Bur, St Mineralogist's Rp 18:59-76, 5 pls, 51 figs (1922) (*abst*) G Zentralbl 36:298 (1928)

23 Upper Miocene lacustrine mollusks from Sonoma County, Cal. Cal Ac Sc, Pr (4) 12:31-41, 3 pls (1923)

23a Results of preliminary examination of seven samples of sediments from near Lomita (California). S Cal Ac Sc, B 22, pt 2:64-65 (1923)

23b Some Eocene foraminifera near Vacaville, Cal. Cal Univ, Dp of G, B 14:319-328, 2 pls (1923) (*abst*) G Zentralbl 31:380 (1925)... 41:52 (1930) Rv Geol et Sci conn 5:601, 837 (1924) N Jb 1925, Band 1: 265 (1925)

24 (and **McLellan,** Mary E.) A new species of whale from the type locality of the Monterey group. Cal Ac Sc, Pr (4) 14:237-241, 5 pls (1924)

24a (and **Gaylord,** E. G.) Description of a new genus and species of fresh-water gastropod mollusk *Scalez petrolia* from the Etchegoin Pliocene of California. Cal Ac Sc, Pr (4) 13:147-149, 2 figs (1924)

24b Insects in the California tar traps. Science (n s) 59:553 (1924)

24c Smaller foraminifera for stratigraphy. Am As Petroleum G, B 8:246-250 (1924)

24d Rectifications of nomenclature. Cal Ac Sc, Pr (4) 13:151-186 (1924)

24e *Succinea ovara* Say from the Pleistocene tar pits of California. Nautilus 37:106 (1924)

24f (and **Driver,** Herschel L.) The study of subsurface formations in California oil field development. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 10, no 3:5-26, 10 figs (September, 1924) (*abst*) Eng Index 1925:525 (1926)

25 The age and correlation of the Kreyenhagen shale in California. Am As Petroleum G, B 9:990-999 (1925) (*abst*) Rv Geol et Sci conn 7:72 (1926)

25a Miocene marine vertebrates in Kern County, Cal. Science (n s) 61:71-72 (1925)

25b Data on the age and correlation of the Kreyenhagen shale in Fresno Co., Cal. Petroleum Age 10:60, 78-80 (December, 1925)

25c *Zalophancylus,* a fish vertebrae not a mollusk. Nautilus 39:18 (1925)

25d Tertic expanse of North American continent in Pacific Ocean. Pan Am G 44:147 (1925)

25e Was there a Pacific continent? Science (n s) 62:491-492 (1925)

25f The extraction of fossils from refractory rocks. J G 33:555-557 (1925)

25g (and **Anderson,** F. M.) Fauna and stratigraphic relations of the Tejon Eocene at the type locality in Kern County, Cal. Cal Ac Sc, Occ Pap 11:249 pp, 10 figs, 16 pls (incl map), (1925)

Hanna, G. Dallas—Cont.

25h (and **Gaylord, E. G.**) Correlation of the organic shales of the San Joaquin Valley, Cal. Am As Petroleum G, B 9: 228-234, pls 4-5 (1925) (*abst*) Rv Geol et Sci conn 6:571 (1925)

25i (and **Gaylord, E. G.**) Organic shales in southern San Joaquin Valley. Petroleum World (Los Angeles) 10:66, 68 (June, 1925)

26 Paleontology of Coyote Mountain, Imperial County, Cal. Cal Ac Sc, Pr (4) 14:427-502, 1 fig, 10 pls (1926)

26a Further notes on *Scalez petrolia.* Nautilus 40:14-16 (1926)

26b Microscopical research in California petroleum fields. Oil Gas J 24, no 45-96 (1926)

26c (and **Taff, J. A.**) Notes on the age and correlation of the Moreno shale (California). Am As Petroleum G, B 10:812-814 (1926)

27 (and **Taff, J. A.**) A geologic section in the center of the San Joaquin Valley, Cal. Cal Ac Sc, Pr (4) 16:509-515 (1927)

27a The lowest known Tertiary diatoms in California. J Paleontology 1:103-127, 5 pls, 56 figs (1927) G Zentralbl 42:299 (1930) (*abst*) Biol Absts 2:1798 (1928)

27b (and **Hertlein, Leo George**) Notes on *Ostrea californica* Marcou. Nautilus 41:45-47 (1927)

27c Cretaceous diatoms from California. Cal Ac Sc, Occ Pap 13:1-48, 5 pls (1927) (*abst*) Biol Absts 2:1798 (1928)

27d (and **Cushman, J. A.**) Foraminifera from the Eocene near Coalinga, Cal. Cal Ac Sc, Pr (4) 16:205-229, 2 pls (1927) (*abst*) Rv Geol et Sci conn 8:250-251 (1927)

27e (and **Church, C. C.**) A collection of recent foraminifera taken off San Francisco Bay, Cal. J Paleontology 1:195-202 (1927) (*abst*) G Zentralbl 41:171 (1930)

28 An early reference to the theory that diatoms are the source of the bituminous substance. Am As Petroleum G, B 12:555-556 (1928)

28a The age of the diatom-bearing shales at Malaga Cove, Los Angeles County, Cal. Am As Petroleum G, B 12: 1109-1111 (1928) J Paleontology 4:119 (1930) (*abst*) N Jb 1929, Ref 3:390 (1929)

28b The Monterey shale of California at its type locality with a summary of its fauna and flora. Am As Petroleum G, B 12:969-982, 2 pls, 18 figs (1928) (*abst*) G Zentralbl 39:48 (1929) Rv Geol et Sci conn 9:275 (1928) (*abst*) Eng Index 1928:1376 (1929)

28c Silicoflagellata from the Cretaceous of California. J Paleontology 1:259-263 (1928) (*ann*) An Bib Ec G 1:210 (1928) (*abst*) G Zentralbl 41:169 (1930)

Hanna, G. Dallas—Cont.

28d (and **Anderson, F. M.**) *Solen novacularis*, a name for an Eocene fossil from California. Nautilus 42:65-66 (1928)

28e (and **Church, C. C.**) Freezing and thawing to disintegrate shales. J Paleontology 2:131 (1928)

29 Mammoth tusks found near Oroville, Cal. Cal Dp Nat Res, Div Mines and Mining, Chapter of Report 25 of the State Mineralogist. 25, no 1:88-90 (January, 1929)

29a (and **Grant, W. M.**) Brackish water Pliocene diatoms from the Etchegoin formation of central California. J Paleontology 3:87-102, 4 pls, 22 figs (1929) (*ann*) An Bib Ec G 2:405 (1929) G Zentralbl 42: 304 (1929)

30 Geology of Sharktooth Hill, Kern County, California. Cal Ac Sc, Pr (4) 19: 65-83, 3 figs (1930)

30a The growth of *Omphlotheca.* J Paleontology 4:192 (1930)

30b Observations on *Lithodesmium cornigerum* Brun. J Paleontology 4:189-191 (1930)

30c A review of the genus *Rouxia.* J Paleontology 4:179-188, 1 pl. (1930)

30d Diatoms from Cantua shale. (*abst*) Pan Am G 54:80 (1930)

30e Silicoflagellates from the Cantua shale. (*abst*) Pan Am G 54:79 (1930)

30f Porosity of diatomite. Eng M J 130:7-8 (1930)

30g A new genus of Silicoflagellata from the Miocene of Lower California. J Paleontology 4, no 4:415-416, 1 pl, (December 1930)

Hanna, H. C.

30 Activity of Lassen Peak, California, up to 1915. The Volcano Letter no 304:1-3 (1930)

Hanna, Marcus Albert.

25 Notes on the genus *Venericardia* from the Eocene of the West Coast of America. Cal Univ, Dp G, B 15:281-306, 9 pls (1925) (*abst*) G Zentralbl 33:141 (1926)

26 Geology of the La Jolla quadrangle, California. Cal Univ, Dp G, B 16:187-246, 7 pls, map (1926) (*abst*) G Zentralbl 36: 135 (1927)

27 An Eocene invertebrate fauna from the La Jolla quadrangle, California. Cal Univ, Dp G, B 16:247-398, 34 pls (1927) (*abst*) G Zentralbl 38:246-248 (1928)

27a (and **Cushman, J. A.**) Foraminifera from the Eocene near San Diego, Cal. San Diego Soc N H, Tr 5:45-46, 3 pls (1927) (*abst*) Rv Geol et Sci conn 8:250 (1927)

Hannibal, Harold.

09 A new *Carinifex* (*sanctaeclarae* n sp.) from the Santa Clara lake beds (Pliocene), Cal. Nautilus 23:40-41 (1909)

11 A Pliocene flora from the Coast Ranges of California. Torrey Bot Club, B 38:329-342, il (1911)

12 A synopsis of the recent and Tertiary fresh-water Mollusca of the Californian province, based upon an ontogenetic classification. Malacological Soc, Pr 10:112-166, 167-211 (1912)

13 (and **Arnold,** Ralph) The marine Tertiary stratigraphy of the north Pacific coast of America. Am Ph Soc, Pr 52: 559-605 (1913)

14 Vaqueros of the Santa Monica Mountains of southern California. (*abst*) G Soc Am, B 25:153 (1914)

14a (with **Arnold,** R.) Dickerson on California Eocene. Science (n s) 39:906-908 (1914)

22 Notes on Tertiary sirenians of the genus *Desmostylus*. J Mammalogy 3:238-240, pls (1922)

23 (with **Jordan,** David Starr). Fossil sharks and rays of the Pacific slope of North America. S Cal Ac Sc, B 22:27-68, 5 figs, 10 pls (1923)

Hardenberg, J. R.

83 Gold in California. *In* H. C. Burchard Report of the U. S. Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1882:742-752 (1883)

Harder, Edmund Cecil.

08 Manganese ores. U S G S, Min Res, Calendar Year 1907:87-110, California 89-90, 101 (1908)... 1908:135-156, California 135-136, 139-141, 154 (1909)

09 Manganese deposits of the United States. U S G S, B 380:255-277, California 256, 270-271 (1909) (*abst*) G Zentralbl 14: 124 (1910)

09a Iron ores. U S G S, Min Res, Calendar Year 1908:61-134, California 63-64 (1909)

09b Chromic iron ores. U S G S, Min Res, Calendar Year 1908:751-770, California 751, 760-761, 766-770 (1909)

10 Manganese deposits of the United States, with sections on foreign deposits, chemistry, and uses. U S G S, B 427:298 pp (1910) (*abst*) G Zentralbl 16:182-183 (1911)

10a Some chromite deposits in western and central California. U S G S, B 430: 167-183 (1910)

10b Some iron ores of western and central California. U S G S, B 430:219-227 (1910)

Harder, Edmund Cecil—Cont.

10c (and **Rich,** J. L.) The Iron Age iron-ore deposit, near Dale, San Bernardino Co., Cal. U S G S, B 430:228-239, map (1910)

10d The gypsum deposits of the Palen Mountains, Riverside Co., Cal. U S G S, B 430:407-416 (1910)

12 Iron-ore deposits of the Eagle Mountains, Cal. U S G S, B 503:81 pp, map (1912) (*abst*) Wash Ac Sc, J 4:162 (1914) G Zentralbl 20:421-422 (1914)

Hardesty, Wm. P.

15 Physical geography of the Mount Shasta region. Mazama (Portland) 4, no 4:17-18 (1915)

Harding, C. R.

29 Location and design of Southern Pacific Company's Suisun Bay Bridge as affected by consideration of earthquakes. Seism Soc Am, B 19:162-166 (1929)

Harding, S. T.

27 Ground water resources of the southern San Joaquin Valley. Cal Dp Pub Works, Div Eng and Irrigation, B 11:146 pp (1927)

Hardy, Charles.

26 Barium. Min Ind 34:95-100, California 97 (1926)... 35:83-87, California 83, 84 (1927)... 38:60-64, California 60, 61, 62 (1930)

Hardy, Norman.

27 (and **Cunningham,** G. M.) Notes on geology and status of development of Seal Beach and Alamitos area, California. Am As Petroleum G, B 11:870-873 (1927)

Harkness, H. W.

74 A recent volcano in Plumas Co., Cal. Cal Ac Sc, Pr 5:408-412 (1874)

Harmon, A. K. P. Jr.

15 Eel River Valley, Humboldt Co., Cal.; geology and oil possibilities. Cal St M Bur, B 69:455-459 (1915)

Harper, Joseph H.

08 The San Francisco earthquake of April 18, 1906. As Eng Soc, J 40:87-101 (1908)

Harper, W. G.

27 (with **Kocher,** A. E.) Soil survey of the Coachella Valley area, California. (advance sheets) U S Dp Agr, Bur Soils. 1923:485-534, pls 16-20, fig 16, 2 maps (1927)

28 (with **Cosby,** Stanley W., and **Watson,** E. B.) Soil survey of Auburn area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1924, no 15:38 pp, 3 pls, 1 fig, 1 map (1928)

Harper's New Monthly Magazine.

65 Down in the cinnabar mines; a visit to New Almaden in 1865. Harper's Mag 31:545-560, il (1865)

Harrington, G. L.

19 (with **Holmes, L. C.**, **Eckmann, E. C.**, **Guernsey, J. E.**, **Zinn, C. J.**, and **Lapham, M. H.**) Soil survey of the San Fernando Valley area, California. U S Dp Agr, Bur Soils, Rp 17:2451-2507, pls 65-68, map no 63 (1919)

Harris, Gilbert Dennison.

92 (and **Dall, W. H.**) Correlation papers: Neocene. U S G S, B 84:349 pp, maps (1892)

93 Correlation of Tejon deposits with Eocene stages of the Gulf slope. Science 22:97 (1893)

93a Republication of Conrad's fossil shells of the Tertiary formations of North America. 121 pp, il, Washington (1893)

93b Remarks on Dall's collection of Conrad's works. Am G 11:279-281 (1893)

Harris, R. P.

65 On borax in California. Am Ph Soc, Pr 9:450 (1865)

Harriss, T. F.

28 (and **Woodford, A. O.**) Geology of Blackhawk Canyon, San Bernardino Mountains, California. (*abst*) G Soc Am, B 39:268 (1928) Cal Univ, Dp G, B 17:265-304, 6 pls, 4 figs (1928)

Hart, Edward.

03 Death Valley, Cal., and its borax industry. Am Ceramic Soc, Tr 5:64-73 (1903)

Hart, T. S.

53 Notes on the Almaden mine, Cal. Am J Sc (2) 16:137-139 (1853)

Harvey, Philip.

82 Contribution to the ethnology and geology of the Pacific Slopes. Cal St M Bur, An Rp 2:271-279 (1882)

Hatch, F. W.

82 Mineral springs of California. M Sc Press 44:390, 391, 396, 398 (1882).

Hately, J. Geo.

07 Copper mining on the Colorado River. M World, 26:809, 1 fig (1907)

Hausmann, A.

08 Amador, Calaveras, Del Norte, Fresno, Humboldt, Inyo, Madera, Mariposa, San Bernardino, Shasta, Trinity and Tuolumne counties. *In* The Copper Resources of California. Cal St M Bur, B 50:366 pp, 74 il (1908)

Hawes, George W.

84 (and others) The building stones of the United States and statistics of the quarry industry for 1880. Tenth Census of the United States, Dept Int, 10: iii-xiii, 1-410 (1884)

Hawkins, G. S.

83 Sweetwater mines, Patterson District, Mono County, geological and topographical map included. M Sc Press 46: 131 (1883)

Hawley, H. J.

17 Stratigraphy and paleontology of the Salinas and Monterey quadrangles, Cal. (*abst*) G Soc Am, B 28:225 (1917)

18 Cretaceous and Tertiary stratigraphy of the western end of the Santa Ynez Mountains, Santa Barbara Co., Cal. (*abst*) G Soc Am, B 29:164 (1918)

Hay, Oliver Perry.

26 Professor Osborn on the mammals and the birds of the California tar pools. Science (n s) 64:426-427 (1926)

26a The geological age of Tuolumne Table Mountain, California. Wash Ac Sc, J 16:358-361 (1926)

27 The Pleistocene of the western region of North America and its vertebrated animals. Carnegie Inst, Wash, Pub: 322:346 pp, 12 pls, 21 maps. California 3-7, 10-18, 23-24, 25-29, 41-43, 47-51, 62-69, 79, 85-100, 107-109, 110, 113, 117-122, 154-235, maps 1-21, pls 1, 7-9 (1927)

Hayden, F. V.

80 The great West, its attractions and resources; containing a particular description of the marvelous scenery, physical geography, fossils and glaciers of this wonderful region, and the recent exploration in the Yellowstone Park, the wonderland of America. 87 pp, Philadelphia (1880)

Hayes, Charles Willard.

02 The coal fields of the United States. U S G S, An Rp 22, pt 3:7-24, California 18 (1902)

03 Coal fields of the United States. U S G S, B 213:257-269, California 258, 263 (1903)

11 The State geological surveys of the U. S. U S G S, B 465:177 pp, California 20-23 (1911)

Hayes, Robert P.

29 List of elevations of prominent points and places in Yosemite National Park.

Hayes, Robert P.—Cont.

Dept Interior, National Park Service, Yosemite National Park, Yosemite Ranger-Naturalist Manual, 2:81-85 (1929)

Hayford, John Fillmore.

07 (and **Baldwin**, A. L.) The earth movements in the California earthquake of 1906. U S Coast S, Superintendent's Rp 1906-7, App 3:67-104 (1907) (*abst*) Am Geog Soc, B 40:353, 616-617 (1908)

09 Results of a geodetic study of the San Francisco earthquake. (*abst*) Science (n s) 29:199 (1909)

Head, E. R.

28 Study shows Rincon upper zone is small. Cal Oil World 20:3, 11 (February 16, 1928)

Heap, Gurim Harris.

54 Central route to the Pacific from the valley of the Mississippi to California; journal of the expedition of E. F. Beale and G. H. Heap. 1853:136 pp, il, Philadelphia (1854)

Heberlein, C. A.

61 On the geology of the country between Lake Superior and the Pacific Ocean (between the forty-eighth and fifty-fourth parallels of latitude) visited by the Government expedition under the command of Captain J. Palliser, Q J G Soc, London, 17:388-445, 1 map (1861)

Heikes, V. C.

16 The mining and reduction of quicksilver at the Oceanic Mine, Cambria, Cal. Am I M Eng, Tr 51:110-117, figs. (1916)

Heck, N. H.

25 Earthquakes of 1925. Seism Soc Am, B 15:106-113 (1925)

Hector, James.

22 Arsenic. U S G S, Min Res, Calendar Year 1920:51-65, California 52, 58 (1922)

23 Arsenic. Min Ind 31:46-52, California 47 (1923)... 32:49-60, California 49 (1924)

24 Tellurium. U S G S, Min Res, Calendar Year 1921:141-142, California 141 (1924)

25 (and **Loughlin**, G. F.) Arsenic. U S G S, Min Res, Calendar Year 1922:53-76, California 60-61 (1925)... 1923:35-43, California 37 (1927)

30 Gold, silver, copper, lead and zinc in California in 1928. U S B M, Min Res, Calendar Year 1928:285-309 (1930)

Heilman, W. H.

02 (and **Lapham**, Macy H.) Soil survey of the Lower Salinas Valley, California. U S Dp Agr, Bur Soils, 1901, Rp 3:481-519, pls 73-78, 1 map (1902)

02a (and **Lapham**, Macy H.) Soil survey of the Hanford area, California. U S Dp Agr, Bur Soils, 1901, Rp 3:447-480, pls 69-72, 2 maps (1902)

Heilprin, Angelo (1853-1907).

83 On the occurrence of ammonites in deposits of Tertiary age. Ac N Sc Phila, Pr 1882:94 (1883)

83a On the age of the Tejon rocks of California, and the occurrence of ammonitic remains in Tertiary deposits. Ac N Sc Phila, Pr 1882:196-214 (1883)

84 Contributions to the Tertiary geology and paleontology of the United States. 117 pp, map, Phila (1884)

84a North America Tertiary Ostreidae. U S G S, An Rp 4:309-316, il (1884)

87 The geographical and geological distribution of animals. The International Scientific Series, 57:435 pp, N Y (1887)

Heller, A. H.

29 (and **Beal**, Carl H.) The Kettleman Hills Oil field. Oil Bull 15: 1289-1295 (1929)

Henderson, W. H.

19 Possibilities of oil in Imperial Valley, Cal. Oil Age 15:10-14, 16 (May, 1919) Reprinted in Oil Age 17:18-22 (February, 1921)

Hendrickson, A. B.

28 Report on the Kern front area of the Kern River oil field. Cal St M Bur, Summary of Operations, California Oil Fields, 13, no 7:5-18, 4 pls (1928) Oil Age 25, no 8:42-45 (August, 1928) (*ann*) An Bib Ec G 1: 227 (1928) (*abst*) Eng Index 1928:1298 (1929)

29 (and **Weaver**, D. K.) Santa Fe Springs oil field. Cal Dp Nat Res, Div Mines and Mining, Summary Operations, California Oil Fields 14, no 7:5-21, 5 pls (January, 1929) (*ann*) An Bib Ec G 2: 431 (1929)

Hennig, E.

26 Kaliforniens naturliches Museum. Aus der Heimat 39:239-242 (1926) (*abst*) G Zentralbl 35:119 (1927)

Henny, Gerard.

27 Some notes on the geology of the South San Joaquin Valley, California. Am As Petroleum G, B 11:611-615, 6 figs (1927) (*abst*) G Zentalbl 39:152-153 (1929)

30 Presence of the McLure shale on the west side of San Joaquin Valley. Petroleum World and Oil Age 27:97-99, 117, 3 ils (August 1930)

30a McLure shale of the Coalinga region, Fresno and Kings counties, Cal.

Henny, Gerard—Cont.

Am As Petroleum G, B 14, no 4:403-410, 3 figs (April 1930)

Henry, Alfred J.

07 Salton sea and the rainfall of the southwest. Nat Geog Mag, 18:244-248 (1907)

Henry, John L.

26 Silver-gold deposits of Alpine County, Cal. Eng M J 121:936 2 figs (1926) (*abst*) G Zentralbl 36:10 (1927)

Henshaw, F. F.

11 (and **Clapp**, W. B., under direction of M. O. **Leighton**) Surface water supply of the United States. Part 11, California 1909. U S G S, W-S P 271:256 pp, 6 pls (1911)

12 (and **McGlashan**, H. D., under direction of J. C. **Hoyt**) Water resources of California. Part 1, Stream measurements in Sacramento River Basin. U S G S, W-S P 298: 411 pp, 8 pls (1912)

12a (with **McGlashan**, H. D., and **Clapp**, W. B., under direction of M. O. **Leighton**) Surface water supply of the United States. Part 11, Pacific coast in California, 1910. U S G S, W-S P 291:218 pp, 4 pls (1912)

16 (with **Grover**, N. C., and **McGlashan**, H. D.) Surface water supply of the United States, Part 11, Pacific slope basins in California, 1913. U S G S, W-S P 361:514 pp, 2 pls (1916)... 1914, 391:334, xxxvi pp, 2 pls (1917)... 1915, 411:345, xxxvi pp, 8 pls (1918)... 1916, 441:330, xxxvi pp, 2 pls (1918)... 1917, 461:314, xxxvii pp, 2 pls (1920)... 1918, 481:314, xxxviii pp, 2 pls (1921)... 1919-20, 511:vii, 456 pp, 2 pls (1923)... 1921, 531:vii, 304 pp, 2 pls (1925)... 1922, 551:viii, 405 pp, 2 pls (1927)... 1923, 571:viii, 431 pp (1928)... 1924, 591:viii, 448 pp (1928)... 1925, 611:viii, 382 pp (1929)... 1926, 631:ix, 419 (1930)

Henton, Hugh M.

26 Magnesite. Min Ind, 34:467-472, California 468, 469 (1926)... 35:434-443, California 435-437 (1927)... 36:373-382, California 377-378 (1928)

Herold, Stanley C.

17 Tertiary Nassidae of the west coast of America. (*abst*) G Soc Am, B 28:227 (1917)

30 Mechanics of a California production curve. Am I M Eng, Tech Pub 322:14 pp (1930)

30a Problem of drainage at Kettleman Hills. Oil Gas J 28:146-147 (March 27, 1930)

30b What a drainage study shows of Kettleman Hills' future. Petroleum World and Oil Age 27:65-69, 113-114 (Apr 1930)

Herold, Stanley C.—Cont.

Hershey, Oscar H.

97 A "pocket" horizon in Trinity Co., Cal. M Sc Press 75:549 (1897)

99 Origin and age of certain gold "pocket" deposits in northern California. Am G 24:38-43 (1899) Zs Prak G 8:143-145 (1900)

99a The upper Coffee Creek mining district (California). M Sc Press 79:689 (1899)

00 Gold-bearing lodes of the Sierra Costa Mountains in California. Am G 25:76-96 (1900)

00a Granites of the Sierra Costa Mountains in California. Science (n s) 11:130-132 (1900)

00b Ancient alpine glaciers of the Sierra Costa Mountains in California. J G 8:42-57 (1900) (*abst*) G Zentralbl 1:597-598 (1901) Science (n s) 3:620-622 (1896) (*abst*) Petermann's Mitt 1900 (Beil zum 46):126 (1900)

01 Metamorphic formations of northwestern California. Am G 27:225-245 (1901) (*abst*) G Zentralbl 9:468 (1907)

01a Age of certain granites in the Klamath Mountains. (*abst*) G Soc Am, B 12:501 (1901) J G 9:76-77 (1901) Am G 27:258-259 (1901) G Zentralbl 9:468 (1907)

01b An unusual type of auriferous deposits. Science (n s) 13:869-871 (1901)

02 The significance of the term Sierran. Am G, 29:88-95 (1902) (*abst*) G Zentralbl 5:367 (1904)

02a Some crystalline rocks of southern California. Am G 29:273-290 (1902) (*abst*) G Zentralbl 9:422 (1907)

02b Some Tertiary formations of southern California. Am G 29:349-372 (1902) (*abst*) G Zentralbl 5:367 (1904)

02c Neocene deposits of the Klamath region, Cal. J G 10:377-392 (1902) (*abst*) G Zentralbl 5:367 (1904)

02d The significance of certain Cretaceous outliers in the Klamath region, Cal. Am J Sc (4) 14:33-37 (1902) (*abst*) G Zentralbl 9:478 (1907)

02e The Quaternary of southern California. Cal Univ, Dp G, B 3:1-29, map (1902) (*abst*) G Zentralbl 9:468 (1907) (*abst*) Petermann's Mitt 1903 (Beil zum 49):68 (1903)

02f A supposed early Tertiary peneplain in the Klamath region, Cal. Science (n s) 15:951-954 (1902) (*abst*) G Zentralbl 9:468 (1907)

03 Some evidence of two glacial stages in the Klamath Mountains in California. Am G 31:139-156 (1903)

03a Structure of the southern portion of the Klamath Mountains, Cal. Am G

Hershey, Oscar H.—Cont.

31:231-245 (1903) (*abst*) G Zentralbl 7:407-408 (1905)

03b The Sierran valleys of the Klamath region, Cal. J G 11:155-165 (1903) (*abst*) G Zentralbl 7:250-251 (1905)

03c The relation between certain river terraces and the glacial series in northwestern California. J G 11:431-458 (1903) (*abst*) Petermann's Mitt 1905 (Beil zum 51):71-72 (1905)

03d Certain river terraces of the Klamath region, Cal. Am J Sc (4) 16:240-250 (1903) (*abst*) G Zentralbl 7:556 (1905)

04 The Bragdon formation in northwestern California. Am G 33:248-256, 347-360 (1904) (*abst*) G Zentralbl 6:174 (1905)

04a The river terraces of the Orleans Basin, Cal. Cal Univ, Dp G, B 3:423-475 (1904) (*abst*) G Zentralbl 7:303-304 (1905)

06 Some western Klamath stratigraphy. Am J Sc (4) 21:58-66 (1906) (*abst*) 8:276 (1906)

08 Foothill copper belt of the Sierra Nevada. M Sc Press 96:591-592; 97:322-323 (1908)

08a Primary chalcocite in California. M Sc Press 96:429-430 (1908) (*abst*) Eng Index 1908:308 (1909)

09 Black Diamond (Del Norte Co., Cal.). M Sc Press 98:147 (1909)

10 Origin of gold "pockets" in northern California. M Sc Press 101:741-742 (1910)

11 Del Norte Co. (Cal.), geology. M Sc Press 102:468, map (1911)

12 The Belt and Pelona series. Am J Sc (4) 34:263-273, California 271-273 (1912)

15 The geology of Iron Mountain (Shasta Co., Cal.). M Sc Press 111: 633-638, map (1915)

Hertel, F. W.

27 Ventura is one of California's greatest fields. Oil Weekly 44, no 11:47 (March 4, 1927)

27a (and **Dievendorff**, H. H.) Deep well drilling technique. Am I M Eng, Tr (Petroleum development and technology 927):350 (1927)

28 Ventura Avenue oil field, Ventura Co., Cal. Am As Petroleum G, B 12:721-742, 6 figs (July, 1928) *In* Str Typ Am Oil Fields 2:23-43 (1929) (*ann*) An Bib Ec G 1:228 (1928) (*abst*) G Zentralbl 38: 457-458 (1929)... 41:435 (1930) N Jb 1929, Ref 3:259 (1929) (*abst*) Eng Index 1928: 1298 (1929)

28a (with **Bernt**, D. M., Jr., and **Pieper**, H. K.) Oil fields of Ventura County and Newhall district. Oil Bull 14:370-374 (1928), (*ann*) An Bib Ec G 1:228 (1928) (*abst*) Eng Index 1928:1376 (1929)

30 (and **Jensen**, J.) Development program in a part of the Ventura Avenue oil field. M Metal 11:475-478, 2 maps, 1 sec (1930) (*ann*) An Bib Ec G 3:401 (1931) (*abst*) Eng Index 30:1222 (1931)

30a (and **Edson**, E. W.) Drilling mud practice in the Ventura Avenue Field. Am I M Eng, Tr (Petroleum development and technology 1930):382 (1930)

Hertlein, Leo George.

25 (and **Crickmay**, Colin H.) A summary of the nomenclature and stratigraphy of the marine Tertiary of Oregon and Washington. Am Ph Soc, Pr 64:224-282 (1925)

25a New species of marine fossil Mollusca from western North America. S Cal Ac Sc, B 24, pt 2:39-44, 2 pls (1925)

27 (and **Hanna**, G. Dallas) Notes on *Ostrea californica* Marcou. Nautilus 41: 45-46 (1927)

28 *Pecten* (*Patinopecten lohri*, new name for *Pecten oweni* Arnold, a Pliocene species from California). Nautilus 41:93-94 (1928) G Zentralbl 40:236 (1929)

28a Preliminary report on the paleontology of the Channel Islands, California. J Paleontology 2:142-157 (1928), (*ann*) An Bib Ec G 1:204 (1928)

29 The geology and paleontology of the Pliocene of San Diego, California. (*abst*) Dissertations Stanford University, B (5) 4, no 78:81-85 (1929)

29a A new Pecten from the San Diego Pliocene. Cal Ac Sc, Pr (4) 18:215 pl 24, figs 10-11 (1929) (*abst*) G Zentralbl 41:296 (1930)

29b Three new specific names for west American fossil Mollusca. J Paleontology 3, no 3:295-297 (September 1929)

Hess, Eva.

12 (and **Hess**, Frank L.) Bibliography of the geology and mineralogy of tin. Smiths Misc Col 58, no 2:408 pp (1912)

Hess, Frank L.

05 (and **Graton**, L. C.) The occurrence and distribution of tin. U S G S, B 260: 161-187 (1905) California, 165-166 (*abst*) G Zentralbl 8:2 (1906)

06 Occurrence of cinnabar and mercury near Livermore, Cal. U S G S, B 285:388 (1906)

06a Some magnesite deposits of California. U S G S, B 285:385-392 (1906) Eng Mag 31:691-704 (1906)

06b Tin. U S G S, Min Res, Calendar Year 1905: 445-451, California 446 (1906)... 1906:543-549, California 544 (1907)... 1911: 963-972, California 966 (1912)

07 The producing deposits of magnesite in California. Min Ind, 15:555-556 (1907)

07a Tungsten. U S G S, Min Res, Calendar Year 1906:522-526, California 525

Hess, Frank L.—Cont.

(1907)... 1907:711-717, California 711-712 (1908)... 1908:721-736, California 723-724 (1909)... 1909:577-581, California 577-578 (1911)... 1910:733-751, California 733-734, 745 (1911)... 1911:941-948, California 941-942 (1912)... 1912:987-1001, California 987-989 (1913)... 1913:353-361 California 353-355 (1914)... 1914:937-942, California 937 (1916)... 1915:823-830, California 823-825 (1917)... 1916:789-803, California 790, 792 (1919)... 1917:931-954, California 931-933, 938-940 (1920)... 1918:973-1026, California 973 (1921)... 1919:721-725, California 724 (1922)... U S B M, Min Res, 1924:465-469, California 466 (1927)... 1926: 260-265, California 261 (1929)... 1927:423-433 California 423-424 (1929)... 1928:122-127 California 123 (1929)

07b Tantalum. U S G S, Min Res, Calendar Year 1906:532-535, California 534 (1907)

07c Uranium. U S G S, Min Res, Calendar Year 1906:531-532, California 532 (1907)

07d Bismuth. U S G S, Min Res, Calendar Year 1906:517 (1907)... 1913:285-288, California 286-287 (1914)... 1914:965-968, California 966 (1916)

07e Molybdenum. U S G S, Min Res, Calendar Year 1906:527-529, California 528 (1907)... 1907:721 (1908)... 1908:745-747, California 745-746 (1909)... 1916:777-779, California 778 (1919)... 1917:907-915, California 911-912 (1920)... 1918:795-805, California 799 (1921)

08 Some molybdenum deposits of Maine, Utah, and California. U S G S, B 340: 231-240 (1908)

08a Notes on a tungsten-bearing vein near Raymond, California. U S G S, B 340:271 (1908)

08b The magnesite deposits of California. U S G S, B 355:67 pp (1908) (*abst*) G Zentralbl 12:620 (1909)

08c Antimony. U S G S, Min Res, Calendar Year 1907:707-710, California 708 (1908)... 1908:709-711, California 710 (1909)... 1915:837-843, California 837 (1917)

08d Titanium. U S G S, Min Res, Calendar Year 1907:720-721, California 720 (1908)

09 Vanadium. U S G S, Min Res, Calendar Year 1908:741-742, California 741 (1909)

10 Mounds formed by crystallization. (*abst*) Science (n s) 31:758 (1910)

10a A reconnaissance of the gypsum deposits of California. U S G S, B 413:36 pp (1910) (*abst*) Nature 85:421 (1911)

10b Gold mining in the Randsburg quadrangle, Cal. U S G S, B 430:23-47 (1910)

10c Gypsum deposits near Cane Springs, Kern Co., Cal. U S G S, B 430:417-418 (1910)

Hess, Frank L.—Cont.

12 (and **Hess,** Eva) Bibliography of the geology and mineralogy of tin. Smiths Misc Col, 58, no 2:408 pp (1912)

16 Arsenic. U S G S, Min Res, Calendar Year 1914:953-964, California 958 (1916)

16a Selenium. U S G S, Min Res, Calendar Year 1914:969-974, California 971 (1916)

16b Tellurium. U S G S, Min Res, Calendar Year 1914:975-977, California 975-976 (1916)

17 Tungsten minerals and deposits. U S G S, B 652:85 pp (1917) (*abst*) by R. W. Stone, Wash Ac Sc, J 7:604 (1917)

17a Nickel. U S G S, Min Res, Calendar Year 1915: 743-766, California 743, 745-747 (1917)

20 Gypsum deposits of California. *In* Stone, R. W., Gypsum deposits of the United States. U S G S, B 697:58-86 (1920)

22 (and **Larsen,** E. S.) Contact-metamorphic tungsten deposits of the United States. U S G S, B 725: 245-309, 10 figs, 4 pls (incl map), (1922) (*abst*) by R. W. Stone, Wash Ac Sc, J 11:494 (1921) G Zentralbl 27:99-100 (1921)... 31:328-329 (1924) Rv Geol et Sci conn 3:67-68 (1922)

26 The natural history of pegmatites. A study to discover their mode of origin and to explain the various phenomena displayed. Eng M J 120:289-298, 17 figs, California (1925) Min Absts 3:36-37 (1926)

27 Rare metals. U S B M, Min Res Calendar Year 1924:451-476, California 451, 463, 466, (1927)... 1926:249-275, California 261 (1929)

Heurteau, Ch. E.

03 L'industrie du petrole en Californie. An Mines (10) 4:215-249, pl 9, figs 1-4 (1903) (*abst*) G Zentralbl 5:440 (1904)

Hewett, Donnel Foster.

13 Manganese ore. U S G S, Min Res, Calendar Year 1912:203-221, California 205, 207-208 (1913)... 1913:57-74, California 58-59, 61-62 (1914)... 1914:165-181, California 168, 170-172, 179 (1916)... 1915:29-43, California 30, 32-33, 40 (1917)... 1916: 731-756, California 734-735, 736, 746 (1919)... 1917: 665-696, California 668-672, 683 (1920)... 1918:607-656, California 624-628, 642-643 (1921)

23 Structure of the Spring Mountain Range, southern Nevada. (*abst*) G Soc Am, B 34:89-90 (1923)

26 Progress in the survey of the Ivanpah quadrangle, Nevada-California. (*abst*) G Soc Am, B 37:164-165 (1926) Pan Am G 45:164 (1926)

27 Late Tertiary thrust faults in the Mojave Desert. Nat Ac Sc, Pr 14:7-12 (1928) (*abst*) Science, n s 65:480 (1927)

Hewett, Donnel Foster—Cont.

28 Two Tertiary epochs of thrust faulting in the Mojave Desert, Cal. (*abst*) G Soc Am, B 39:178 (1928) Pan Am G 49:140 (1928)

Hewitt, A. S.

77 A century of mining and metallurgy in the United States (Commencement of mining in New Almaden quicksilver mine, Cal.). Am I M Eng, Tr 5:175-176, 195 (1877)

Heydon, A. Thurston.

97 Characteristics of the El Dorado gold belt (Cal.). M Sc Press 74:233 (1897)

97a The marble belt (Amador and El Dorado counties, Cal.). M Sc Press 74:305 (1897)

99 Glacial agency in lake formation. M Sc Press 78:265 (1899)

Hicks, W. B.

14 (with **Larsen**, E. S.) Searlesite, a new mineral (San Bernardino Co., Cal.). Am J Sc (4) 38:437-440 (1914) (*abst*) Wash Ac Sc, J 4:397-398 (1914) N Jb 1917. (Referate): 27-28 (1917) (*abst*) Rv Geol et Sci conn 1:135 (1920)

14a (and **Gale**, H. S.) Octahedral crystals of sulphohalite. Am J Sc (4) 38:273-274 (1914)

15 Evaporation of potash brines. U S G S, P P 95:65-72 (1915)

16 Evaporation of brine from Searles Lake, Cal. U S G S, P P 98:1-8 (1916) (*abst*) Wash Ac Sc, J 6:360 (1916)

20 (and **Gale**, H. S.) Potash. U S G S, Min Res, Calendar Year 1917:397-481, California 397, 402, 410-412, 414-419, 447-449, 450-451 (1920)

21 Potash. U S G S, Min Res, Calendar Year 1918:385-445, California 388, 402, 404-405, 407, 411-413, 415 (1921)

22 (and **Nourse**, M. R.) Potash. U S G S, Min Res, Calendar Year 1919: 77-94, California 78-81 (1922)

Hidden, William Earl (1853-1918).

85 On hanksite, a new anhydrous sulphato-carbonate from San Bernardino Co., Cal. N Y Ac Sc, An 3:238-241 (1885) Am J Sc (3) 30:133-135 (1885)

88 (and **Mackintosh**, J B.) Sulphohalite, a new sodium sulphato-chloride, Am J Sc (3) 36:463 (1888); Zs Kryst 15:294 (1889)

Higgins, Edwin.

08 Borax. Min Ind, 16:120-123, California, 120-123 (1908)

25 Gold mining in California. M Metal 6:192-193 (1925) (*abst*) Rv Geol et Sci conn 7:94 (1926)

Hilgard, Eugene Woldemar (1833-1916).

84 Physico-geographical and agricultural features of the State of California. U S, 10th Census 6:663-783, map (1884)

85 The asphaltum deposits of California. U S G S, Min Res, Calendar Year 1883-84: 938-948 (1885)

88 Agriculture and late Quaternary geology. Science 11:241-242 (1888)

89 The lakes of the San Joaquin Valley. M Sc Press 58:474-475 (1889)

90 Report on the asphaltum mine of the Ventura Asphalt Company. Cal St M Bur, An Rp 10:763-772 (1890)

92 The cienegas of southern California. G Soc Am, B 3:124-127 (1892)

93 Skizze der physikalischen und industriellen Geographie Californiens. Ges Erdk Berlin, Verh 20:116-130 (1893)

93a Die Bodenverhältnisse Californiens. Deut G Ges, Zs 45:15-22 (1893)

93b Upon the influence of climate on the constitution of soils. (*abst*) Zs Prak G 1893:324-328 (1893)

01 Sketch of the pedological geology of California. (*abst*) G Soc Am, B 12:499-500 (1901) J G 9:74-75 (1901) Am G 27:131 (1901)

02 Subterranean, water-supply of the San Bernardino Valley. *In* U S Dept Agr, Office of Experiment Stations, Report of Irrigation Investigations for 1901; B 119: 103-189 (1902)

02a Debris fans of the arid region in their relation to the water supply. Science (n s) 15:414 (1902)

02b (**Snow**, F. J., and **Shaw**, G. W.) Lands of the Colorado delta in the Salton Basin, California. Agr, Exp Sta Berkeley Cal, B 140:51 pp 1 pl, 5 figs (1902) (review) U S, Dp Agr, Office Exp Sta, Rec 13:1025-1026 (1902)

03 The valley of southern California. (*abst*) J G 11:96 (1903)

Hill, Albert Fay.

11 Mineral Industry, its statistics, technology and trade, during 1910, 19:904 pp (1911)

Hill, B.

07 Natural gas. U S G S, Min Res, Calendar Year 1906:811-826, California 813-817, 826 (1907)... 1907:323-346, California 325-331, 345 (1908)... 1908:319-344, California 319-320, 322-325, 342-343 (1909)... 1909:269-302, California 270-271, 273-276, 295 (1911)... 1910:299-326, California 299, 301-302, 304-308, 323 (1911)... 1911:282-333, California 283-290, 312-313, 322, 324-325 (1912)... 1912:301-359, California 301, 303-304, 306-310, 336-338, 348, 350-351, 353 (1913)... 1913:1411-1507, California 1411, 1413-1414, 1416, 1418-1421, 1450-1452, 1460-1461, 1484-1485 (1914)

Hill, Edward Allison.

22 Geological notes on oil structures. 85 pp, 6 pls, San Francisco, Hall-Gutstadt Company (1922)

Hill, James A.

29 Historical summary of gold, silver, copper, lead and zinc produced in California, 1848 to 1926. U S B M, Ec Paper 3:22 pp (1929) (*ann*) An Bib Ec G 2:16 (1929)

Hill, James H.

23 Clay deposits of the Alberhill Coal and Clay Company. Cal St M Bur Mining in California 19, no 4:185-210, 19 figs (1923)

Hill, James Madison.

12 The mining districts of the western United States. U S G S, B 507:309 pp (1912) G Zentralbl 18:631 (1913)

13 Strontium. U S G S, Min Res, Calendar Year 1912:960 (1913)... 1914:66 (1916)... 1915:185-187 California, 186 (1917)... 1916:185-195, California 185-187, 192-193, 195 (1919)... 1917:5-6, California 5 (1921)

15 Some mining districts in northeastern California and northwestern Nevada. U S G S, B 594:200 pp, maps (1915) (*abst*) by E S Bastin, Wash Ac Sc, J 5:623-624 (1915) G Zentralbl 28:194 (1922) (*abst*) Eng Index 1915:367 (1915)

16 Platinum. U S G S, Min Res, Calendar Year 1914:333-352, California 333, 336, 338-339 (1916)... 1915:139-157, California 139, 142, 143-144 (1917)... 1916:1-20, California 2, 5, 7, 8-9 (1919)... 1917:11-21, California 13, 17-19 (1920)... 1918:201-209, California 205-206 (1921)... 1919:9-18, California 9 (1922)... 1920:37-50, California 37, 46 (1920)... 1921:143-149, California 143, 148 (1924)... 1923:9-22, California 17 (1927)... 1926:9-18, California 9, 16 (1929)...

21 High alumina clays. U S G S, Min Res, Calendar Year 1918 (pt 1):513-526, California 520 (1921)

23 The Los Burros district, Monterey County, California. U S G S, B 735:323-329 (1923) (*abst*) G Zentralbl 31:297 (1924) Rv Geol et Sci conn 5:75 (1924) (*abst*) Eng Index 1923:336 (1924)

24 Bauxite. U S G S, Min Res, Calendar Year 1921:63-70, California 66 (1924)... 1923:23-34, California 24, 26-27 (1927)

25 (and **Loughlin, G. F.**) Magnesium. U S G S, Min Res, Calendar Year 1922:41-57, California 47 (1925)... 1923:7-21, California 13-14 (1927)... U S B M, Min Res, 1924:125-140, California 126, 129-130, 132 (1927)

25a Gold, silver, copper, lead and zinc in California. U S G S, Min Res, Calendar Year 1922:405-438 (1925)... 1923:331-362 (1927)... U S B M, Min Res, 1924:199-222 (1927)... 1925:291-318 (1928)... 1926:297-335 (1929)... 1927:255-285 (1929)

Hill, James Madison—Cont.

26 California gold production, 1849-1923. Ec G 21:172-179, 1 fig (1926) (*abst*) G Zentralbl 34:153 (1926)

27 California shows a decrease in value of gold, silver, copper, lead and zinc produced in 1926 as compared with 1925. M Cong J 13:106-107 (1927)

28 Magnesium. U S B M, Min Res, Calendar Year 1925:77-91, California 78-79, 83 (1928)... 1926:127-140, California 128-129, 132 (1929)

28a Status of the magnesite industry in the United States. Eng M J 128:48-51 (July 13, 1929) (*abst*) G Zentralbl 41:491 (1930)

28b Historical summary of gold, silver, copper, lead and zinc products in California, 1848-1926. U S B M Ec, Paper no 3:22 pp, 3 figs (1929) (*ann*) An Bib Ec G 2:16 (1930)

28c Gold production in 1927. Eng M J 126:139 (1928)

29 Valuation of California limestones. Eng M J 128, no 4:127-128 (July 27, 1929), (*ann*) An Bib Ec G 2, 78 (1929) (*abst*) Rock Products 33 (1):202, January 4, 1930

Hill, Mason L.

30 (**Buddenhagen, H. J., Hudson, F. S., and Woodford, A. O.**) Typical locality of a fault. Am As Petroleum G, B 14:797-798 (1930)

30a Structure of San Gabriel Mountains, north of Los Angeles. Cal Univ, Dp G, B 19:137-170 (1930) (*abst*) G Soc Am, B 41:149 (1930) (Summary statement) Pan Am G 51:368 (1929)

Hill, Robert Thomas.

92 Clay materials of the United States. U S G S, Min Res, Calendar Year 1891:474-528, California 526-528 (1892)... 1893:603-617, California 612 (1894)

12 Marble deposits of the Inyo Mountains (Cal.). M Sc Press 105:86-87 (1912)

20 The rifts of southern California. Seism Soc Am, B 10:146-149 (1920)

23 Sand rivers of Texas and California and some of their accompanying phenomena. (*abst*) G Soc Am, B 34:95 (1923)

23a Data on the geographic nomenclature of the southern California and Texas regions. (*abst*) G Soc Am, B 34:67 (1923)

28 Earthquake conditions in southern California. (*abst*) G Soc Am, B 39:188-189 (1928)

28a Transcontinental structural digression. (*abst*) G Soc Am, B 39:265 (1928)

28b Southern California geology and Los Angeles earthquakes. S Cal Ac Sc (Los Angeles) 232 pp, 38 il, 4 maps (1928) (*abst*) G Zentralbl 39:25-26 (1929)

Hill, Robert Thomas—Cont.

29 Classification of the Pleistocene of California. Science (n s) 69, no 1788:379-380 (1929)

30 Some new data on the major fault blocks of southern California. (*abst*) G Soc Am, B 41:53-54 (1930) Pan Am G 53:77-78 (1930)

Hillebrand, William Francis.

89 (with **Chatard**, T. M., and **Riggs**, R. B.) Analyses of fifteen rocks from California. U S G S, B 55:84-85 (1889)

90 (and **Riggs**, R. B.) Analyses of lavas from near Lassen Peak, California. U S G S, B 60:155-157 (1890)

97 (and **Clarke**, F. W.) Analyses of rocks, with a chapter on analytical methods, laboratory of the United States Geological Survey, 1880 to 1896. U S G S, B 148:306 pp, California 190-229 (1897)

99 Analysis and composition of roscoelite. Am J Sc (4) 7:451-454 (1899) (Review) Am G 24:317 (1899)

99a (and **Turner**, H. W.) On roscoelite. Am J Sc (4) 7:451-454 (1899)

99b Mineralogical notes; melonite? coloradoite, petzite, hessite. Am J Sc (4) 8:295-298 (1899) (*abst*) N Jb 1901, Band 1, Ref: 184 (1901)

00 Tellurides from California. U S G S, B 167:60-63 (1900)

04 (and **Schaller**, W. T.) Crystallographical and chemical notes on lawsonite. Am J Sc (4) 17:195-197 (1904)

05 (and **Schaller**, W. T.) Notes on lawsonite. U S G S, B 262:58-60 (1905)

Hilton, Edward.

06 (and **Aitken**, F. W.) A history of the earthquake and fire in San Francisco. 285 pp, San Francisco (1906)

Himmelwright, A. L. A.

06 The San Francisco earthquake and fire: a brief history of the disaster. New York, The Roebling Construction Company, 270 pp, il (1906)

Hinde, George Jennings.

94 Note on the radiolarian chert from Angel Island and from Buri-Buri Ridge, San Mateo County, Cal. Cal Univ, Dp G, B 1:235-240 (1894)

99 Radiolaria in the Devonian rocks of New South Wales. G Soc London, Q G 55:38-64, 2 pls, California 39, 64 (1899)

Hinderlider, M. C.

29 (with **Elliott**, G. A., **Berkey**, C. P., **Louderback**, G. D., **Savage**, J. L., and **Williams**, I. A.) Report of the Consulting Board of Safety on the Proposed San Gabriel Dam, Los Angeles, Cal. Cal State Dept of Public Works, Div Water Resources, Rp:10 pp (1929)

Hinds, Norman E. A.

29 Intrusive rocks in the Klamath Mountains, northern California. (*abs.*) G Soc Am, B 40:170 (1929) Pan Am G 49:308-309 (1928)

29a (and **Russell**, Dana R.) Ione formation of Redding district. (Summary statement) Pan Am G 51:375 (1929) (*abst*) G Soc Am, B 41:157 (1930)

29b Igneous geology of Southern Klamath Mountains. (Summary statement) Pan Am G 51:376 (1929) (*abst*) G Soc Am, B 41:157 (1930)

Hindshaw, Henry H.

05 Peat. U S G S, Min Res, Calendar Year 1904:1229-1234 California 1231 (1905)

Hinton, A. R.

25 Southeastern California shows oil possibilities. Cal Oil World 17:3, 15 (May, 1920)

Hintze, F. F., Jr.

14 Copper. Min Ind. 22:105-180, California 127, 144 (1914)... 23:139-264, California 141, 161-162 (1915)... 24:127-252, California 129, 145, 146 (1916)

Hiortdahl, Th.

85 Colemanit, ein krystallisirtes kalkborat aus Californien. Videnskabs-Selsk Christiania, Fohr, 1884, no 10:5 pp (1885) Zs Kryst 10:25-31 (1885)

Hitchcock, Charles Henry (1836-1919).

70 The Calaveras skull. Eng M J 9:345-346 (1870)

72 (and **Blake**, W. P.) (Description of) geological map of the United States compiled for the Ninth Census (1872). G Mag 10:371-373 (1873)

72a Description of the geological map (of the United States). U S Ninth Census 3:754-756 (1872)

73 (and **Blake**, W. P.) Geological map of the United States. Accompanying the report of Rossiter W. Raymond, United States Commissioner of Mining Statistics. Scale 1 inch=60 miles (1873)

74 (and **Blake**, W. P.) Geological map of the United States. *In* U S Ninth Census, Statistical Atlas pl 13-14 (1874) (Also issued with other publications) Rv. Am J Sc (3) 6:64-66 (1873)

76 Ideal sections... on line of fortieth parallel. Cal Ac Sc, Pr 6: pls opp 123 (1876)

76a Geological description (and geological map of the United States). *In* The National Atlas... (O. W. Gray & Son): 181-184 map, Phila (1876) (Also appears in numerous later editions)

Hitchcock, Charles Henry—Cont.

81 Geological map of the United States (explanatory text). 29 pp, N Y (1881) Notice, Am J Sc (3) 21:505-506 (1881)

87 The geological map of the United States. Am I M Eng, Tr 15:465-488, map (1887)

88 Report of the subcommittee on the Quaternary and Recent. *In* International Congress of Geologists, American Committee, Reports... H 12 pp, Phila (1888) Am G 2:300-306 (888) Int G Cong, 4 London (1888) Ac Sc Paris, C R App A:211-219 (1891)

90 Wright's "Ice age in North America and its bearings on the antiquity of man." Bibliotheca Sacra 47:99-121 (1890)

Hitchcock, Edward.

53 Outline of the geology of the globe, and of the United States in particular... 136 pp, il, maps, Boston (1853) 2 ed, Boston (1854) 3d ed, Boston (1856)

57 Illustrations of surface geology. Smiths Contr Knowl, 9 art 3:155 pp, maps (1857) 2d ed, 155 pp, maps, Amherst (1860)

Hittell, John S.

68 Yosemite: its wonders and its beauties. 59 pp (1868)

68a The dead rivers of California. Overland Monthly 1:430-435 (1868)

69 The resources of California, comprising agriculture, mining, geography, climate, commerce, etc., and the past and future development of the State. 5th edition, with an appendix on Oregon, Nevada and Washington Territory. 504 pp, San Francisco (1869)

70 Dead rivers of California. *In* R. W. Raymond Second Report on Mineral Resources of the States and Territories west of the Mississippi (1870): 63-67 (1870)

74 The resources of California. 443 pp (sixth edition rewritten), (1874)

Hlawatsch, C. von.

09 Bemerkungen zum Aragonit von Rohitsch, Natrolit, und Neptunit von S. Benito. Tschermak's Mitt, B 28:293-296 (1909)

09a Bemerkungen über die Krystallklasse des Benitoit. Tschermak's Mitt, B 28:178-181, 2 figs (1909), (*abst*) Zs Kryst, B 50:617 (1912)

09b Die Kristalform des Benitoit. Centralbl Miner 1909:293-302 (1909)

Hobart, Frederick.

96 Gold and silver. Min Ind, 4:287–312, California 290 (1896)... 14:217-308, California 218, 219 (1906)... 15:340-430, California 340, 341, 344-345 (1907)... 16:470-495, California 470, 471, 478-480 (1908)

Hobart, Frederick—Cont.

06 Coal and coke. Min Ind, 14:80–109, California 80 (1906)

06a Gold and silver production in the United States in 1905. Eng M J 81:1-2 (1906)... 1907 85:3 (1908)... 1908 87:53-54 (1909)... 1910 91:3 (1911)... 1911 93:3-4 (1912)... 1912 95:51-54 (1913)

Hobbs, William Herbert.

08 A study of the damage to bridges during earthquakes. J G, 16:636-653, 23 figs (1908)

08a (with **Johnson, W. D.**) The earthquake of 1872 in the Owens Valley, Cal. (*abst*) Science (n s) 27:723 (1908)

10 The earthquake of 1872 in the Owens Valley, California. Beitr Geoph 10:352-385 (1910)

Hobson, J. B.

90 Nevada, Placer, Siskiyou counties. Cal St M Bur, St Mineralogist's An Rp 10:364-398, 466-495, 655-658 (1890)

90a Santa Maria River. Cal St M Bur, St Mineralogist's An Rp 10:600-601 (1890)

93 (and **Wiltsee E. M.**) Nevada County. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:263-318 (1893)

Hodson, William G.

93 Shasta County. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:395-399 (1893)

Hoffman, C. F.

68 Notes on Hetch-Hetchy Valley. Cal Ac N Sc, Pr 3:368-370 (1868)

94 The Red Point gravel mine. Tech Soc Pacific Coast, Tr 10:291-307 (1894)

Hoffman, W. J.

72 Notes on mining districts in Nevada and California. Letter Sec War, 42d cong, 2d sess, Senate. Ex Doc No 65:39-42, Washington (1872)

Hofmann, Doctor.

49 California gold. Am J Sc (2) 8:449 (1849)

Hogben, G.

06 San Francisco earthquake. Record of Milne Horizontal Seismograph at Wellington, New Zealand. A plate (1906)

Holcomb, William H.

05 The mineral wealth of San Diego County, California. 28 pp with pl (1905?)

Holden, Edward Singleton.

87 List of recorded earthquakes in California, Lower California, Oregon and Washington Territory. 78 pp, Sacramento (1887)

Holden, Edward Singleton—Cont.

88 Note on earthquake intensity in San Francisco. Am J Sc (3) 35:427-431 (1888)

89 Earthquakes in California (1888). Am J Sc (3) 37:392-402 (1889)

92 Earthquakes in California in 1890 and 1891. U S G S, B 95:31 pp, (1892)

98 A catalogue of earthquakes on the Pacific coast, 1769 to 1897. Smiths Misc Col 37 (1087): 253 pp (1898) (*abst*) Petermann's Mitt 1898 (Beil zum 44):199 (1898)

Holder, Charles Frederick.

01 A remarkable salt deposit (Salton, Cal.). Sc Am 84:217 (1901) Nat Geog Mag 12:391 (1901)

01a Pyramids of Del Mar; erosion on the Pacific coast. Sc Am 85:8, 3 figs (1901)

Holman, F. C.

96 Notes on certain waterworn vein specimens. Am I M Eng, Tr 25:514-518 (1896)

Holmes, Joseph A.

04 Mica. U S G S, Min Res, Calendar Year 1902:985-999, California 985, 987 (1904)

Holmes, J. Garnett.

01 Soil survey around Santa Ana, Cal. U S Dp Agr, Div Soils, 1900, Rp 2:385-412, pls 44-51, 2 maps 23-24 (1901)

01a (and **Means,** Thomas H.) Soil survey around Fresno. U S Dp Agr, Bur Soils, 1900, Rp 2:33-384, pls 28-43, 2 maps 21-22 (1901)

02 (and **Means,** Thomas H.) Soil survey around Imperial, California. U S Dp Agr, Bur Soils, 1901, Rp 3:587-606, pls 87-95, 2 maps 29-30 (1902)

02a (and **Mesmer,** Louis) Soil survey of the Ventura area, California. U S Dp Agr, Bur Soils, 1901, Rp 3:521-557, pls 73-74, 2 maps 26-27 (1902)

02b Soil survey of the San Gabriel area, California. U S Dp Agr, Bur Soils, 1901, Rp 3:559-586, pls 85-86, 1 map 28 (1902)

04 (and party) Soil survey of the Indio area, California. U S Dp Agr, Bur Soils, 1903, Rp 5:1249-1262, maps 75-76, (1904)

04a (and party) Soil survey of the Imperial area, California (extending the survey of 1901). U S Dp Agr, Bur Soils, 1903, Rp 5:1219-1248, map 74, (1904)

05 (with **Sweet,** A. T., **Jensen,** C. A., **Marean,** H. W., **Neill,** N. P., **Root,** A. S., **McLendon,** W. E., **Burgess,** J. L., and **Strahorn,** A. T.) Soil survey of the Yuma area, Arizona-California. U S Dp Agr, Bur Soils, Rp 6, 1904:1025-1047, map 47 (1905)

Holmes, J. Garnett—Cont.

05a (with **Marean,** H. W., **Neill,** N. P., **Root,** A. S., **Sweet,** A. T., and **McLendon,** W. E.) Soil survey of the San Bernardino Valley, Cal. U S Dp Agr, Bur Soils, Rp 6, 1904:1115-1151, map 53 (1905)

Holmes, L. C.

09 (with **Lapham,** Macy H., **Sweet,** A. T., **Strahorn,** A. T.) Soil survey of the Colusa area, California. U S Dp Agr, Bur Soils, Rp 9:927-972, maps, 32-33 (1909)

09a (and **Lapham,** Macy H.) Soil survey of the Redding area, California. U S Dp Agr, Bur Soils, Rp 9:973-999, map 34 (1909)

11 (with **Warner,** J. F. and **Sweet,** A. T.) Soil survey of the Modesto-Turlock area, California, with a brief report on a reconnaissance soil survey of the region east of the area. U S Dp Agr, Bur Soils, Rp 10:1129-1294, map 34, 2 pls and pls A-F (1911)

11a (with **Strahorn,** A. T., and **Mann,** C. W.) Soil survey of the Porterville area, California. U S Dp Agr, Bur Soils, Rp 10:1095-1330, map 35 (1911)

12 (and **Eckmann,** E. C.) Soil survey of the Red Bluff area, California. U S Dp Agr, Bur Soils, Rp 12:1601-1656, pls 28-29, map 41 (1912)

12a (with **Strahorn,** A. T., **Westover,** H. L., **Eckmann,** E. C., **Nelson,** J. W., and **Van Duyne,** Cornelius) Soil survey of the Madera area, California. U S Dp Agr, Bur Soils, Rp 12:1717-1753, 1 pl, map 43 (1912)

12b (with **Strahorn,** A. T., **Mackie,** W. W., **Westover,** H. L., and **Van Duyne,** Cornelius) Soil survey of the Marysville area, California. U S Dp Agr, Bur Soils, 1909, Rp 11:1689-1740, 1 pl, map 53 (1912)

15 (with **Nelson,** J. W., **Strahorn,** A. T., and **Eckmann,** E. C.) Soil survey of the Fresno area, California. U S Dp Agr, Bur Soils, Rp 14:2089-2166, pls 29-31 and pl A, map 53 (1915)

16 (with **Nelson** J. W., and party) Reconnaissance soil survey of the Sacramento Valley, California. U S Dp Agr, Bur Soils, Rp 15:2297-2438, pls 40-42, map 54 (1916)

19 (and **Nelson,** J. W.) Reconnaissance soil survey of the San Francisco Bay region, California. U S Dp Agr, Bur Soils, Rp 16:2679-2784, pls 82-85, map 64 (1919)

19a (with **Eckmann,** E. C., **Harrington,** G. L., **Guernsey,** J. E., **Zinn,** C. J., **Lapham,** Macy H.) Soil survey of the San Fernando Valley area, California. U S Dp Agr, Bur Soils, Rp 17:2451-2507, pls 65-68, map 63 (1919)

Holmes, L. C.—Cont.

19b (with **Nelson**, J. W., **Guernsey**, J. E., **Eckmann**, E. C., and **Lapham**, M. H.) Reconnaissance soil survey of the lower San Joaquin Valley, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2583-2733, pls 73-75, map 65 (1919)

19c (with **Pendleton**, R. L., **Lapham**, Macy H.) Reconnaissance soil survey of the San Diego Region, California. U S Dp Agr, Bur Soils, Rp 17:2509-2581, pls 69-72, map 64 (1919)

21 (with **Strahorn**, A. T., **Eckmann**, E. C., **Guernsey**, J. E., and **Lapham**, Macy H.) Soil survey of the Anaheim area, California. U S Dp Agr, Bur Soils, Rp 18:2271-2345, pls 63-65, map 58 (1921)

21a (with **Eckmann**, E. C., **Nelson**, J. W., **Guernsey**, J. E., and **Lapham**, Macy H.) Reconnaissance soil survey of the middle San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 18:2421-2529, pls 69-71, map 60 (1921)

23 (with **Dunn**, J. E., **Strahorn**, A. T., **Guernsey**, J. E., and **Lapham**, Macy H.) Reconnaissance soil survey of the central southern area, California. U S Dp Agr, Bur Soils, Rp 19:2405-2534, pls 59-63, maps 57-58 (1923)

Holmes, Roberta Evelyn.

30 The southern mines of California: early development of the Sonora mining region. 60 pp (1930)

Holmes, William Henry.

99 (with **McGee**, W. J.) Geology and archeology of the California gold belt. (*abst*) Am G 23:96-99 (1899) Science (n s) 9:104-105 (1899)

99a Review of the evidence relating to auriferous gravel man in California. Am Anthropologist (n s) 1:107-121, 614-645 (1899) Smiths Inst, An Rp 1899:419-472 (1901) (*abst*) Nature 61:206 (1899)

Holt, Donald A.

29 (and **Brewer**, F. M. and **Papish**, Jacob). Gallium in lepidolite. Min Absts 4:88 (1929)

Holway, Ruliff S.

04 Eclogites in California. J G 12:344-358 (1904) (*abst*) G Zentralbl 9:515 (1907)

07 The history of the Blue Lakes (Lake Co., Cal.). Cal Phys Geog Club, B 1, no 1:8-13 (1907)

07a Physiographic changes bearing on the faunal relationships of the Russian and Sacramento rivers, Cal. Science (n s) 26:382-383 (1907)

09 (and **Linsley**, E. G.) A syllabus for the study of the physiographic provinces of California. Cal Phys Geog Club, B 2, no 2:11-20 (1909)

Holway, Ruliff S.—Cont.

11 An extension of the known area of Pleistocene glaciation to the Coast Ranges of California (Snow Mountain.) Am Geog Soc, B 43:161-170 (1911) (*abst*) G Zentralbl 17:610 (1912)

13 The Russian River, a characteristic stream of the California Coast Ranges. Cal Univ, Pub Geog 1:1-60 (1913)

14 Physiographically unfinished entrances to San Francisco Bay. Cal Univ, Pub Geog 1:81-126, maps (1914)

14a Preliminary report on the recent volcanic activity of Lassen Peak. Cal Univ, Pub Geog 1:307-330 (1914) Am Geog Soc, B 46:740-755 (1914)

14b The effect of seven years' erosion on the California fault line of 1906. Am Geog Soc, B 46:420-426 (1914)

14c Apparent limits of former glaciation in the northern Coast Ranges of California. (*abst*) G Soc Am, B 25:120-121 (1914)

15 The volcanic activity of Lassen Peak. Pop Sc Mo 86:290-305 (1915)

15a (and **Diller**, J. S.) Characteristics of the Lassen Peak eruptions of May 20-22, 1915. (*abst* and discussion) G Soc Am, B 26:397 (1915)

15b Physiographic geology. *In* Nature and science on the Pacific coast: 31-40, San Francisco (1915)

Hoots, Harold William.

27 Geology of Wheeler Ridge area, Kern County, California. Abstracts of Dissertations for the Degree of Doctor of Philosophy. 1924-26, 1:135-137, Stanford University Press (1927)

27a Heavy mineral data at the southern end of San Joaquin Valley. Am As Petroleum G, B 11:369-372 (1927) (*abst*) Rv Geol et Sci conn 8:585 (1926) G Zentralbl 38:403 (1929)

27b Geologic features of the southern end of the San Joaquin Valley, California. (*abst*) Wash Ac Sc, J 17, no 5:123-124 (1927)

28 Oil possibilities and survey of oil and gas exploration in southwestern Humboldt County, California. Oil Age 25:29-31, 79 (1928) (*ann*) An Bib Ec G 1:229 (1928)

28a Exploration in southwestern Humboldt County, California. Oil Weekly 49, no 8:54, 56, 58 (May 11, 1928)

28b The structural history and unusual rock types of the Santa Monica Mountains, southern California. Wash Ac Sc, J 18:352-355 (1928)

29 Oil shale in a producing oil field in California. U S G S, P P 154-E:171-173, pl 17 (1929) (*ann*) An Bib Ec G 2, 134 (1929) (*abst*) G Zentralbl 41:131 (1930)

Hoots, Harold Williams—Cont.

30 Geology and oil resources along the southern border of San Joaquin Valley. U S G S, B 812:243-332, pls, figs (1930)

Hoover, Herbert Clark.

96 Some notes on "crossings" (North Star mine, Grass Valley, Cal.) M Sc Press 72:166-167 (1896); 120:743-744 (1920)

Hopkins, G. R.

28 Natural gas. U S B M, Min Res, Calendar Year 1925: 127-134, California 127, 129, 131, 132, 134 (1928)... 1926:175-182, California 175, 177-178, 181 (1929)

28a (and **Coons**, A. B.) Asphalt and related bitumens. U S B M, Min Res, Calendar Year 1925:29-37, California 30-31 (1928)... 1926:51-69, California 51-52, 54-56, 58-59 (1929)... 1927:67-80, California 68, 70-72, 74-75 (1928)

28b (and **Backus**, H.) Natural gas. U S B M, Min Res, Calendar Year 1927: 129-137, California 129-130, 134, 136 (1928) ... 1928:373-389 California 374, 376, 378, 379, 380, 382 (1930)

28c Natural-gas gasoline. U S G S, Min Res, Calendar Year 1925:195-200 California 197-200 (1928)... 1926:159-168, California 159-163, 165-167 (1929)... 1927:199-208 (1929)

28d (and **Coons**, A. B.) Petroleum. U S B M, Min Res 1925:311-384, California 311-315, 316-317, 319-321, 323-324, 344, 347-348, 350-351, 353, 356, 364-367, 369, 374, 376, 379, 381 (1928)... 1926:335-417, California 335-336, 338-342, 344-345, 347-350, 374-375, 377-378, 380, 383, 393-397, 399, 400, 406, 409-412, 415, 417 (1929)... 1927:511-593, California 511-514, 516-520, 522-528, 554-555, 557-558, 560, 562-563, 571-578, 584, 587, 590-591 (1929)... 1928:615-703, California 615, 616, 617, 618, 620, 623-624, 626, 628-629, 631, 633-637, 699 (1930)... 1929:421-521, California 421, 422, 423, 424, 430, 431, 432, 433, 434, 435, 437, 439-444, 505 (1931)

30 (and **Seeley**, E. M.) Natural gasoline. U S B M, Min Res, Calendar Year 1928:205-219, California 208-211, 213-214, 216 (1930)

Hopkins, Oliver B.

15 Asbestos. Min Ind 23:51-58, California 52, 54 (1915)... 24:41-47, California 42, 44 (1916)... 25:62-68, California 63 (1917)... 26:48-51, California 49 (1918)

Hopkins, T. C.

94 Marble. Min Ind, 2:443-452, California 447, 448 (1894)

06 (and others) The structural and industrial materials of California. Cal St M Bur, B 38:412 pp (1906)

Horsewill, T. J.

98 Tesla coal mines (Alameda County, California). M Min 19:145-147, 5 figs (1898)

Horton, F. W.

06 Platinum. U S G S, Min Res, Calendar Year 1905:423-424, California 424 (1906)

06a Quicksilver. U S G S, Min Res, Calendar Year 1905:393-404, California 393-394 (1906)

Hoskold, C. A. L.

01 Deposits of hydroborate of lime, its exploitation and refination. Inst M Eng, Tr 23:456-471, California 463-464, 468-469 (1901-1902)

Hovey, Edmund Otis.

04 Salt. U S G S, Min Res, Calendar Year 1903:1059-1071, California 1061 (1904)... 1904:1065-1077, California 1067 (1905)... 1905:1127-1135, California, 1127, 1129-1130 (1905)

04a Asphaltum and bituminous rock. U S G S, Min Res, Calendar Year 1903: 745-754, California 745-747 (1904)... 1904: 789-799, California 789-790, 792-793 (1905)... 1905:1161-1169, California 1161-1162, 1164-1165 (1906)

05 Antimony. U S G S, Min Res, Calendar Year 1904:363-369, California 363 (1905)

06 Lithium minerals: amblygonite, spodumene, lepidolite. U S G S, Min Res, Calendar Year 1905:1271-1272, California 1271-1272 (1906)

08 Proceedings of the nineteenth annual meeting held at New York, N. Y., December 27, 28 and 29, including proceedings of the eighth annual meeting of the Cordilleran section held at Stanford University, California, December 28 and 29, 1906. G Soc Am, B 18:557-654 (1908)

09 Earthquakes, their causes and effects. Am Ph Soc, Pr 48:235-258 (1909), (*abst*) Science (n s) 29:833 (1909)

15 California meeting of the Geological Society of America. Science (n s) 42:86-87 (1915)

Howard, C. S.

25 (and **Collins**, W. D.) Index of analyses of natural waters in the U S. U S G S, W-S P 560-C:58-85, California 61-63 (1925) (*abst*) G Zentralbl 32:537 (1925)

Howard, Hildegarde.

27 A review of the fossil bird *Parapavo californiens* (Miller) from the Pleistocene asphalt beds of Rancho La Brea. Cal Univ, Dp G, B 17:1-56, 13 pls (1927)

Howard, John L.

03 Fuel conditions in California. Am Gas J (August 25, 1902), J Electricity (May, 1903)

Howard, J. W.

94 Asphaltum. Min Ind, 2:43-52, California 49 (1894)... 4:43-46, California 44 (1896)

Howe, Ernest.

24 The gold ores of Grass Valley, California (with discussion by A. M. Bateman, Waldemar Lindgren, J. E. Spurr, and the author). Ec G 19:595-622, 2 pls (1924) (*abst*) G Zentralbl 31:651 (1925) (*abst*) Eng Index 1924:331 (1925)

Howell, George.

22 California, Ventura County. Oil Eng and Fin 1:16-17 (January 14, 1922)

Hoyt, John C.

04 Report of progress of stream measurements for the calendar year 1903. U S G S, W-S P 100:533 pp, California 192-356 (1904)

06 (and **Clapp,** W. B., under direction of F. H. **Newell**) Report of progress of stream measurements for the calendar year 1905, Part 13, The Great Basin and Pacific Ocean drainages in California. U S G S, W-S P 177:273 pp, 1 pl (1906)

Hubbard, George David.

15 Death Valley. J Geog 13:277-280 (1915)

Hubbard, J. D.

15 The quartz veins of Butte Co., Cal. Eng M J 102:352-353 (1916) (*abst*) G Zentralbl 27:302 (1922)

Hubbard, Prevost.

23 Asphalt. Min Ind, 31:63-69, California 63 (1923)... 37:52-57, California 53 (1929)

Hubbs, Carl L.

24 Recent contributions to our knowledge of the fossil fishes of California. Science (n s) 60:177-179 (1924)

Huber, Walter L.

30 San Francisco earthquakes of 1865 and 1868. Seism Soc Am, B 20, no 4, 11 pp (December 1930)

Hudson, E. J.

01 (**Mabery,** C. F.) On the composition of California petroleum. Am Ac Arts, Pr 36:255-283 (1901) (*abst*) G Zentralbl 9:534 (1907)

Hudson, Frank Samuel.

22 Geology of the Cuyamaca region of California with special reference to the origin of the nickeliferous pyrrhotite. Cal Univ, Dp G, B 13:175-252, 7 figs, 6 pls (map). (1922) (*abst*) G Zentralbl 32:198 (1925)

24 The South Mountain oil field (Ventura County, California). Am As Petroleum G, B 8:810-820, 1 fig (1924)

25 (and **Taliaferro,** N. L.) Calcium chloride waters from certain oil fields in Ventura County, California. Am As Petroleum G, B 9:1071-1088 (1925) (*abst*) Rv Geol et Sci conn 7:104 (1926)

26 (and **Taliaferro,** N. L.) An interesting example of a survey of a deep bore hole. Am As Petroleum G, B 10:775-785, 2 figs (1926)

29 (and **Craig,** E. K.) Geologic age of the Modelo formation. Am As Petroleum G, B. 13:509-518 (1929) (*abst*) Rv Geol et Sci conn 10:306 (1929) (*ann*) An Bib Ec G 2:128 (1929) (*abst*) G Zentralbl 40:336 (1929) (*abst*) Eng Index 1929:1378 (1930)

30 (**Buddenhagen,** H. J., **Hill,** M. L. and **Woodford,** A. O.) Typical locality of a fault. Am As Petroleum G, B 14:797-798 (1930)

Hughes, Donald D.

25 (and **Cushman,** Joseph Augustine) Some later Tertiary Cassedulinas of California. Cushman Lab Foraminiferal Research Contr 1 sec 5:11-16, 1 pl (1925) (*abst*) G Zentralbl 34:235 (1926)

Huguenin, Emile.

18 (and others) Manganese and chromium in California. Cal St M Bur, B 76: 248 pp, 51 figs, 5 pls (1918) (*abst*) Eng Index 1919:293 (1920)

19 (with **Merrill,** F. J. H., and **Cloudman,** H. C.) San Bernardino County. Cal St M Bur, St Mineralogist's Rp 15: 775-899 (1919) issued as separate under title Mines and Mineral Resources of San Bernardino County, Tulare County (1916) (*abst*) Eng Index 1918:325 (1919)

19a (with **Waring** C. A.,) Inyo County. Cal St M Bur, St Mineralogist's Rp 15: 29-134 (1919) issued as separate under title Mines and Mineral Resources of Alpine County, Inyo County, Mono County (1916) (*abst*) Eng Index 1918:325 (1919)

19b Santa Barbara County; Ventura County. Cal St M Bur, St Mineralogist's Rp 15:727-769 (1919) issued as separate under title Mines and Mineral Resources of the counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura. (1916) (*abst*) Eng Index 1918:325 (1919)

Huguenin, Emile—Cont.

21 (and **Castello**, W. O.) Alameda, Contra Costa, San Francisco, San Mateo, Santa Clara, Santa Cruz counties. Cal St M Bur, St Mineralogist's Rp 17:17-42; 48-67, 163-165, 167-179, 180-227, 228-241 (1921)

24 The minor oil fields of Kern County; Devil's Den field. Cal St M Bur, Summary of Operations California Oil Fields 9, no 12:5-11, 1 pl (map), (1924) (*abst*) Eng Index 1924:491 (1925)

26 Inglewood oil field. Cal St M Bur, Summary of Operations, California Oil Fields, 11, no 12:5-15, 5 figs, 2 pls (1926) (*abst*) Eng Index 1926:534 (1927)

Hulin, Carlton D.

25 Geology and ore deposits of the Randsburg quadrangle, California. Cal St M Bur, B 95:152 pp, 8 figs, 31 pls (incl map), (1925) (Review by J. E. Spurr) Eng M J 121:463-464, 2 figs (1929)

25a Mineralization in the vicinity of Randsburg California. Eng M J 119:407-411, 6 figs (1925) G Soc Am, B 36:208 (1925) G Zentralbl 34:337 (1927) 36:532 (1928)

29 Structural control of ore deposition. Ec G 24:15-49 California 26-33 (1929)

29a Metallization from basic magmas. A theory of genesis for hydrothermal and emanation types of ore deposits. Cal Univ, Dp G, B 18:233-284, 7 figs (1929)

29b Ore genesis and ore shoots. Eng M J 127:228-230, 317-320, 12 figs (1929)

30 A Mother Lode gold ore. Ec G 25:348-355, (1930) (*ann*) Ann Bibl Ec G 3:67 (1930)

30a Subsequent faulting in the Great Basin. (*abst*) Pan Am G 54, no 2:151-152 (September 1930)

Humphreys, Andrew Atkinson (1810-1883).

57 Report upon the progress of the Pacific railroad explorations and surveys. U S, Pacific R R Expl (U S, 33d Cong 2d sess, S Ex Doc 78 and H Ex Doc 91) 7, pt 3:37 pp. Conclusion of the official review of the reports upon the explorations and surveys for railroad routes from the Mississippi River to the Pacific Ocean (1857)

Humphreys, W. J.

04 On the presence of yttrium and yttribium in fluorspar. Astrophysical J 20:226-273 (1904)

17 The collection of earthquake data in the United States. Pan Am Sc Cong, 2d, Washington, Pr sec 2, 2:697-704 (1917)

Hunt, A. M.

94 California crude oil and its uses as fuel. Tech Soc Pacific Coast, Tr 11:1-28 (1894)

Hunt, A. M.—Cont.

03 California petroleum and its uses as fuel. J Electricity 8:197-203 (May 1903)

Hunt, Thomas Sterry (1826-1892).

77 The geology of the older rocks of western America. (*abst*) G Mag (2) 4:574 (1877) Am As, Pr 26:265-266 (1878)

78 On the geology of the Eozoic rocks of North America. Boston Soc N H, Pr 19:275-279 (1878)

80 On the recent formation of quartz and on silicification in California. Am J Sc (3) 19:371-372 (1880) Can Nat (n s) 9:435-437 (1880) Eng M J 29:369 (1880)

83 The decay of rocks geologically considered. Am J Sc (3) 26:190-213 (1883) (*abst*) Science 1:324-325 (1883) Am Nat 17:645-646 (1883)

84 Record of recent scientific progress in geology. Smiths Inst, An Rp 1882:325-345, California 343-345 (1884) Extr, The Virginias 5:141, 161 (1884)

Hunt, W. F.

15 (and **Kraus**, E. H.) Manganhaltiger Albit von Kalifornien. Centralbl Miner 1915:465-467.

Huntington, Ellsworth.

14 The solar hypothesis of climatic changes. G Soc Am, B 25:477-590, California 531-532 (*abst*) G Soc Am, B 25:82-83 (1914)

14a The climatic factor as illustrated in arid America. Carnegie Inst, Wash, Pub 192:341 pp, 12 pls, 90 cuts (1914)

15 The curtailment of rivers by desiccation. Carnegie Inst, Wash, Yr Bk for 1915, no 14:96 (1916)

25 Tree growth and climatic interpretations. *In* Quaternary climates. Carnegie Inst, Wash, Pub 252:155-204, 3 figs (1925)

Hutchings, J. M.

60 Scenes of wonder and curiosity in Calif. 236 pp, Chap IV, Yosemite Valley, 61-139, Chap VI, Quicksilver Mines, 154-172, Chap VII, Mount Shasta, 173-179 (1860). 2d edition 267 pp. (1862). 3d edition 292 pp. Chap X, Geysers, 245-261, Chap XII, Lake Tahoe, 264-267, Chap XIII, Alabaster Cave 268-292 (1870)

86 In the heart of the Sierra. 496 pp. (1886)

Hyatt, Alpheus (1838-1902).

92 Jura and Trias at Taylorville, Cal. G Soc Am, B 3:395-412 (1892)

94 Trias and Jura in the Western States. G Soc Am, B 5:395-434 (1894), (*abst*) Am G 13:148 (1894) Am J Sc (3) 47:142-143 (1894)

05 (and **Smith**, J. P.) The Triassic cephalopod genera of America. U S G S,

Hyatt, Alpheus—Cont.

P P 40:394 pp, il (1905) Nature 75:184 (1906) (*abst*) N Jb 1906, Band 2, Ref:298-307 (1906)

Hyde, Henry C.

93 The Santa Monica Diatomaceae. San Francisco Micro Soc, Tr 1:18-24 (1893)

Iddings, Joseph Paxson (1857-1920)

83 (with **Hague, A.**) Notes on the volcanoes of northern California, Oregon and Washington Territory. Am J Sc (3) 26: 222-235 (1883) (*abst*) by M. E. Wadsworth, Am Nat 18:526-528 (1883)

84 (with **Hague, A.**) Notes on the volcanic rocks of the Great Basin. Am J Sc (3) 27:453-463 (1884)

Ingalls, A. O.

06 Earthquakes and their probable origin. Northwest M J 2, no 1:2-12, 14 figs (July, 1906)

Ingalls, Walter Renton.

93 Work was begun at the quicksilver mines of New Almaden, Cal, 1851. Min Ind, 1:227 (1893)

94 The distribution and production of lead. Min Ind, 2:381-420, California 385, 386 (1894)

96 The precipitation of gold from cyanide solutions. Min Ind, 4:329-342, California 333 (1896)

97 Borax. Min Ind, 5:57-62, California 57, 59 (1897)

06 The mineral industry, its statistics, technology and trade, during 1905, 14:739 pp (1906)... 1906, 15:954 pp (1907)... 1907, 16:1127 pp (1908)... 1908, 17:1073 pp (1909)... 1909 18:877 pp (1910)

06a Copper. Min Ind, 14:110-188, California 111, 117-118 (1906)... 15:191-310, California 191, 203-204 (1907)... 16:261-442, California 261, 275 (1908)

06b Lead. Min Ind, 14:358-427 California 364 (1906)

06c Tin. Min Ind, 14:534-556, California 535, 536 (1906)... 16:860-876, California 861 (1908)

07 Zinc. Min Ind, 15:753-780, California 759 (1907)... 16:896-930, California 907 (1908)

08 Lead and zinc in the United States. x, 368 pp, N Y, 1908, California 14, 145-147 (1908)

Inkersley, Arthur.

06 Effects of the earthquake and fire upon the city of San Francisco and its buildings. Sc Am, 94:418-420, 9 figs (1906)

Innes, Murray.

16 California quicksilver. Eng M J, 101: 68 (1916)

Innes, Murray—Cont.

18 Quicksilver in California. Eng M J 105:52 (1918)

Insley, Herbert.

22 Calcium chloride. U S G S, Min Res, Calendar Year 1919:239-256, California 255 (1922)...

22a Lithium minerals. U S G S, Min Res, Calendar Year 1919:37-40, California 37-39 (1922)...

22b Salt. U S G S, Min Res, Calendar Year 1919:239-256, California 241-243 (1922)

Irelan, William, Jr.

87 Sixth annual report of the State mineralogist, Part II, for the year ending June 1, 1886. 222 pp, Sacramento (1887)

88 Seventh annual report of the State mineralogist for the year ending October 1, 1887. Cal St. M Bur, 315 pp, Sacramento (1888)

88a Eighth annual report of the State mineralogist, for the year ending October 1, 1888. Cal St M Bur: 946 pp, Sacramento (1888) (Includes Mineral resources of the State, with contributions by W. A. Goodyear, H. A. Whiting, and Stephen Bowers)

90 California cement. Cal St M Bur, An Rp 9:309-311 (1890)

90a Ninth annual report of the State mineralogist for the year ending December 1, 1889. Cal St M Bur: 352 pp, Sacramento (1890)

90b Tenth annual report of the State mineralogist, for the year ending December 1, 1890. Cal St M Bur: 983 pp, maps, Sacramento (1890). (Includes county reports by W. A. Goodyear, Henry De Groot, J. A. Brown, J. A. Miner, Alexander McGregor, L. P. Goldstone, Myron Angel, E. B. Preston, W. L. Watts, J. B. Hobson, Stephen Bowers and William P. Miller)

90c Rincon Hill well (San Francisco). Cal St M Bur, An Rp 10:943-945 (1890)

93 Eleventh report of the State mineralogist (first biennial), two years ending September 15, 1892. 612 pp, maps, Sacramento (1893) (Includes county reports by W. L. Watts, E. B. Preston, W. H. Storms, J. B. Hobson and E. A. Wiltsee, Wm. G. Hobson, E. A. Wiltsee and R. L. Dunn)

Irvine, C. D.

08 The beach placers of the south Pacific coast. M World 29:321–322 (1908)

Israelsky, Merle C.

23 Some new forms of west coast fossil Echinoidea. Cal Univ, Dp G, B 14:377-396, 6 pls (1923) (*abst*) G Zentralbl 31:379 (1925) N Jb 1925, Band 1:265 (1925)

Ives, J. C.

58 Colorado exploring expedition; preliminary report. U S 35th cong, 2d sess, H Ex Doc 2 (Rp Sec War): 608-619 (1858)

Jackson, A. W. Jr.

82 On minerals. M Sc Press 44:144, 145, 161, 176, 190, 230 (1882)

82a On rocks. M Sc Press 45:38, 54, 55 (1882)

84 On colemanite, a new borate of lime Am J Sc (3) 28:447-448 (1884)

85 On the morphology of colemanite. Cal Ac Sc, 1, Bull 2:3-36 (1885)

86 Mineralogical contributions. Cal Ac Sc, 1, Bull 4:358-374 (1886) N Jb 1888:179-181 (1888)

88 California building stones. Cal St M Bur, St Mineralogist's An Rp 8:885-894 (1888)

Jackson, Charles Thomas (1805-1880).

65 Sur les mines d'or et d'argent de la Californie. Ac Sc Paris, C R 61:947-950 (1865)

66 (Account of a journey through California and Nevada.) Boston Soc N H, Pr 10:224-229 (1866)

66a Notes on glacial phenomena. Boston Soc N H, Pr 10:245-246 (1866)

66b (Notes on the geology and mineral resources of California.) Boston Soc N H, Pr 10:262-263 (1866)

66c On the Miocene and Cretaceous formations at Santa Barbara, Cal. Boston Soc N H 10:262-263 (1866)

72 Analysis of the meteoric iron of Los Angeles, Cal. Am J Sc (3) 4:495-496 (1872) Boston Soc N H, Pr 15:254-255 (1873)

Jacobs, H. S.

77 Ancient river channels (California). M Sc Press 34:264 (1877) Sc Am Sup 3: 1184 (1877)

Jacobs, W. A.

11 (and **Allen, I. C.**) Physical and chemical properties of the petroleums of the San Joaquin Valley of California. U S B M, B 19, 60 pp (1911) (*abst*) Eng Index 1912:435 (1913)

14 (and **Allen, Irving C., Crossfield, A. S.** and **Matthews, R. R.**) Physical and chemical properties of the petroleums of Cal. U S B M, Tech P 74, 38 pp (1914)

James, George D.

05 Notes on Death Valley and Panamint. Eng M J 80:914-918, 7 figs, 1 map (1905)

James, George Wharton.

07 The wonders of the Colorado desert. 2 vols, 547 pp (1907)

15 The lake of the sky. 395 pp. (1915)

Jamieson, George S.

05 On the natural iron-nickel alloy, awaruite. Am J Sc (4) 19:413-415 (1905)

05a (with **Penfield, S. L.**) On tychite, a new mineral from Borax Lake, Cal., and on its artificial production and its relations to northupite. Am J Sc (4) 20: 217-224 (1905) Zs Kryst 41:235-242 (1905)

Janin, Charles.

10 (and **Winston, W. B.**) Gold dredging in California. Cal St M Bur, B 57, 312 pp (1910)

12 Present day problems in California gold dredging. Am I M Eng, Tr 42:855-873 (1912)

16 Placer mining methods and operating costs. U S Bur M, B 121:42-58 (1916)

18 Gold dredging in the United States. U S Bur Mines, B 127:226 pp (1918)

18a Topography and geology of dredging areas. M Sc Press 117:763-764 (1918)

Janin, Louis, Jr.

74 Mining and metallurgy of quicksilver. *In* Raymond, Mines and Mining in the States and Territories west of the Rocky Mountains, Sixth An Rp (for 1873):379-407 (1874)

Jannetaz, Édouard.

86 Note sur la chrysocole de la Californie. Soc Minér France, B 9:211-213 (1886) Soc Cient Ant Alz, Mem 16:Rev 34-36 (1901) (*abst*) N Jb 1888, Band 1, Ref:183-184 (1888)

Jeffrey, Edward Charles.

04 A fossil *Sequoia* from the Sierra Nevada. Bot Gaz 38:321-332, il (1904)

Jenison, H. A. C.

22 Copper. U S G S, Min Res, Calendar Year 1919:537-614, California 539, 549, 551-552, 554-558, 571-574 (1922)... 1920:451-503, California 453, 463, 465, 467-469, 481-483 (1922)... 1921:235-281, California 237, 242-247, 259-261 (1924)... 1922:257-304, California 259, 263-267, 280-282 (1925)

22a Manganese. U S G S, Min Res, Calendar Year 1919:93-148, California 94, 102, 112 (1922)... 1920: 271-283, California 273-274, 282 (1922)... 1921:45-54, California 49 (1924)... 1922:585-594, California 586-587 (1925)

24 (and **Meyer, H. M.**) Pyrite. U S G S, Min Res, Calendar Year 1921:169-173, California 172 (1924)... 1922:177-181, California 180 (1925)

Jenkins, Olaf P.

29 A geological survey of California. Science (n s) 70:554 (December 6, 1929)

30 Development of geological survey by California State Division of Mines. Am As Petroleum G, B 14:1352-1355 (1930)

Jenkins, Olaf P.—Cont.

30a (and **Bradley**, W. W.) A geological survey of California. M Metal 11:520-521 (1930)

30b Sandstone dikes as conduits for oil migration through shales. Am As Petroleum G, B 14:411-421, 4 figs (1930) (*abst*) Rv Geol et Sci conn 11:138 (1930)

30c Stratigraphic problem of Kreyenhagen shales. (*abst*) Pan Am G 54:77-78 (1930)

30d Geological survey of California under way. Oil Bull 16, no 11:1158-1159 1236, 1 map (1930). (Development) Am As Petroleum G, B 14, no 10:1352-1355 (1930). (Progress) Science (n s) 72:528-529 (1930)

Jenney, Walter Proctor (1849-1921).

89 Notes on the dry lakes of southern Nevada and California with relation to the loess. Sch Mines, Q 10:316-318 (1889)

03 The chemistry of ore-deposition. Am I M Eng, Tr 33:445-499 Discussion 1065-1070 (1903)

Jensen, Charles A.

05 (and **Lapham**, Macy H.) Soil survey of the Bakersfield area, California. U S Dept Agr, Bur Soils, Rp 6, 1904: 1089-1114, maps 50-52 (1905)

05a (with **Marean**, H. W., **Neill**, N. P., **Holmes**, J. G., **Root**, Aldert S., **McLendon**, W. E., **Burgess**, J. L., **Strahorn**, A. T., and **Sweet**, A. T.) Soil survey of the Yuma area Arizona-California. U S Dept Agr, Bur Soils, Rp 6, 1904: 1025-1047, map 47 (1905)

Jensen, Joseph.

24 (and **Robertson**, G. D.) New development in southern California oil fields. Am As Petroleum G, B 8:135-151 (1924) (*abst*) Eng Index 1924:491 (1925)

27 Petroleum development in California in 1926. Am I M Eng, Petroleum Division, Petroleum Development and Technology in 1926:615-628 (1927)

27a Petroleum developments in California. M Metal 8:185, 234, 277, 390, 434 (1927)

28 (and **Robertson**, Glenn D.) Development in southern California since 1923. Am As Petroleum G, B 12:625-650, 13 figs (1928) (*abst*) Rv Geol et Sci conn 9:201 (1928) (*ann*) An Bib Ec G, 1:226 (1928) G Zentralbl 38:478 (1929) (*abst*) Oil Weekly 49, no 4:37-38 19 figs (April 13, 1928) (*abst*) Eng Index 1928: 1376 (1929)

28a (and **Robertson**, Glenn D.) Many important disclosures made in southern California developments since 1923. Oil Age 25, no 4:21-24, 53-54 (April, 1928) Oil Bulletin, 14:473-476 (May, 1928) Petroleum World (Los Angeles), 13:57-59 (April, 1928)

Jensen, Joseph—Cont.

29 (and others) Analysis of Santa Fe Springs field. Oil Gas J 28:199-200, (October 10, 1929) (*ann*) An Bib Ec G 2:431 (1929)

30 (and **Hertel**, F. W.) Development program in a part of the Ventura Avenue oil field. M Metal 11:475-478, 2 maps, 1 sec (1930) (*ann*) Ann Bibl Ec G 3:401 (1931) (*abst*) Eng Index 30:1222 (1931)

30a (and **Stevens**, J. B.) Water invasion—McKittrick oil field—an apparent reversal of normal oil field history. M Metal 11:470-471 (1930) Oil Gas J 29:34, 107-108 (October 30, 1930)

30b Unit operation in California fields. Oil Gas J 28:39, 154-155 (February 20, 1930)

30c California's accomplishments in "near unit operation." Petroleum World and Oil Age 27:95-98, 147 (March, 1930)

Jepson, Willis Linn.

93 Early scientific expeditions to Calif. Erythea 1, no 9:185-190 (September, 1893) 7, no 11:129-134 (November, 1899)

Johnson, A. R.

48 Journal of expedition from Santa Fe to San Diego, 30th cong, 1st sess, Ex Doc 41:567-614 (1848)

Johnson, Bertrand L.

06 (with **Clapp**, F. G., and **Fuller**, M. L.) Bibliographic review and index of underground-water literature, published in the United States in 1905. U S G S, W-S P 163:130 pp (1906)

Johnson, Douglas Wilson.

10 The southernmost glaciation in the United States. Science (n s) 31:218-220 (1910)

10a The origin of the Yosemite Valley (Cal.) Appalachia 12:138-146 (1910) G Zentralbl 16:105 (1911)

11 Hanging valleys of the Yosemite. Am Geog Soc, B 43:826-837, 890-903 (1911), (*abst*) As Am Geog, An 1:121-122 (1911)

Johnson, F. L.

29 Origin and relationships of the California Pliocene faunas. Micropaleo B 11: 11-12 (1929) (*abst*) Biol Absts 4:2783 (1930)

Johnson, Harry Roland.

08 (with **Arnold**, R.) The so-called volcano in the Santa Monica mountains, near Los Angeles, Cal. Science (n s) 27:553-554 (1908)

08a Geology of the borders of the San Joaquin Valley. *In* Walter C. Mendenhall, Preliminary report on the ground waters of San Joaquin Valley, California. U S G S, W-S P 222:11-15 (1908). Also *in* Mendenhall, W. C., Dole, R B., and Stabler,

Johnson, Harry Roland—Cont.

Herman, Ground waters in San Joaquin Valley, California, U S G S, W-S P 398: 310 pp 5 pls (1916)

09 Geology of the McKittrick-Sunset district, Cal. (*abst*) Science (n s) 30: 63-64 (1909)

09a (with **Arnold,** R.) Sodium sulphate in Soda Lake, Carriso Plain, San Luis Obispo Co., Cal. U S G S, B 380:369-371 (1909) (*abst*) G Zentralbl 14:125 (1910)

09b (with **Arnold,** R.) The earthquake rift in eastern San Luis Obispo Co., Cal. (*abst*) Science (n s) 29:558 (1909)

10 (with **Arnold,** R.) Preliminary report on the McKittrick-Sunset oil region, Kern and San Luis Obispo counties, Cal. U S G S, B 406:225 pp (1910) G Zentralbl 16:327 (1911)

11 Water resources of the Antelope Valley, Cal. U S G S, W-S P 278:92 pp (1911)

13 Geologic notes on Santa Susanna district (Ventura Co, Cal.) Western Eng 2:383-386 (1913)

24 The call of the wildcat. M Oil B, 10: 128-130 (February 10, 1924)

27 (and **Warren,** Van Court) Geology and structural conditions of the San Gabriel Valley region. Cal Dp Pub Works, Div Eng and Irrigation, B 5:73–100 (1927)

Johnson, Homar L.

29 Copper. Min Ind, 37:123-172, California 132, 138-139 (1929)

Johnson, H. Norton.

30 California oil production outlook for 1930. M Metal 11:216-219, 3 figs (1930)

Johnson, Theodore T.

49 California and Oregon or sights in the gold region and scenes by the way. 4 ed, 348 pp (1865)

Johnson, Willard Drake (1859-1917).

96 An early date for glaciation in the Sierra Nevada. (*abst*) Am G 181:61-62 (1896) Science (n s) 3:823 (1896)

04 The profile of maturity in Alpine glacial erosion. J G 12:569-578 (1904)

05 The grade profile in Alpine glacial erosion (Sierra Nevada, Cal.). Sierra Club, B 5:271-278 (1905)

08 (and **Hobbs,** W. H.) The earthquake of 1872 in the Owens Valley, Cal. (*abst*) Science (n s) 27: 723 (1908)

10 Recent faulting in Owens Valley, Cal. (*abst*) Science (n s) 32:31 (1910) G Soc Am, B 21:792 (1910)

Johnson, W. M.

58 Extracts from the report on the topographical features of the coast adjacent to Santa Barbara channel, California. *In* Report of the Superintendent of U S Coast Survey showing the progress of the survey during the year 1857. 35th cong, 1st sess, H Ex Doc 21: App 43:390-391 (1858)

Johnston, William D.

90 Clays. Cal St M Bur, St Mineralogist's An Rp 9:287-308 (1890)

Jones, Charles Colcock.

09 An iron deposit in the California desert region. Eng M J 87:785-788 (1909)

10 Iron ores of the southwest. Am M Cong, 13th An Sess, Pr: 265-273 (1910)

15 Los Angeles as an iron and steel center. M Oil B 1, no 6 (May, 1915)

16 Editorial note in article by A. E. Rau, Goldstone district, San Bernardino County, Cal. M Oil B 2, no 7:149-155 (1916)

16a The Pacific coast iron situation. The iron ores of California and possibilities of smelting. Am I M Eng, Tr 53:306-323, San Francisco meeting September, 1915 (1916)

Jones, Chester H.

21 Salt. Min Ind, 29:624-628, California 624, 625 (1921)

Jones, Edward L., Jr.

19 Deposits of manganese ore in southeastern California. U S G S, B 710:185-208, 1 pl (map), (1919) (*abst*) by R. W. Stone, Wash Ac Sc, J 10:470-471 (1920)

Jones, E. Lester.

29 Earthquake investigation in the United States. U S Coast S, serial 304:27 pp, 8 figs (1925). Revised by N. H. Heck, U S Coast, S, serial 456:21 pp (1929)

Jones, Helen Lukens.

05 The water system of Pasadena. The Twelfth National Irrigation Congress at El Paso, Texas, November 15-18, 1904. The official proceedings: 137-138 (1905)

Jones, J. Claude.

13 Origin of travertine or tufa deposits of Salton Sink (Cal.). (*abst*) Carnegie Inst, Wash, Y Bk 12:60-61 (1913)

14 The tufa deposits of the Salton Sink. Carnegie Inst, Wash, Pub 193 (MacDougal, The Salton Sea: 79-83 (1914)

25 Geologic history of Lake Lahontan. *In* Quaternary climates. Carnegie Inst, Wash, Pub 352:50 pp, 6 pls, 9 figs (1925)

Jones, John H.

92 Coal. *In* U S 11th Census Report on Mineral Industries in the United States. 593-666 (1892)

Jones, W. D.

29 Glacial land forms in the Sierra Nevada south of Lake Tahoe. Cal Univ, Pub Geog 3:135-157, 17 figs, 1 map (1929) (*abst*) Eng Index 1929:879 (1930)

Jones, Wendell M.

22 Unusual engineering problems in the development of the South Mountain oil field, Ventura County. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 7, no 12:5-9, 5 pls (June, 1922)

Jones, William F.

11 The geology of the Sargent oil field. Cal Univ, Dp G, B 6:55-78, map (1911)

Jordan, David Starr.

06 The earthquake rift of 1906 (San Francisco earthquake). Pop Sc Mo 69: 289-309 (1906)

06a The earthquake at Stanford University. Science (n s) 23:716-717 (1906)

07 The fossil fishes of California; with supplementary notes on other species of extinct fishes. Cal Univ, Dp G, B 5:95-144 (1907)

07a The California earthquake of 1906. (Jordan, D. S., editor) 371 pp, San Francisco (1907), (Review) Nature 78:27 (1908)

07b The Alps of King-Kern divide. 22 pp (San Francisco, A. M. Robertson) (1907) (noticed) Nature 77:437 (1908) Sunset Mag 4:221-226 (1900)

13 (and **Beal,** C. H.) Supplementary notes on fossil sharks. Cal Univ, Dp G, B 7:243-256 (1913)

19 Fossil fishes of southern California; 1, Fossil fishes of the Soledad deposits by David Starr Jordan; 2, Fossil fishes of the Miocene (Monterey) formations by David Starr Jordan and James Zaccheus Gilbert; 3, Fossil fishes of the Pliocene formations by David Starr Jordan and James Zaccheus Gilbert. Stanford Univ Pub, Univ ser, 98 pp, 31 pls (1919)

20 A Miocene catastrophe (fossil fish, Santa Barbara County, California). Natural History, 20, no 1:18-22, 5 figs (1920) Reprinted *in* Guide to Nature, 8:132 (1921)

20a (and **Gilbert,** James Zaccheus) Fossil fishes of diatom beds of Lompoc, Cal. Stanford Univ Pub, Univ ser; 44 pp, 29 pls (1920)

20b An ancient moonfish (*Lampris zatima*, Lompoc Cal.). Sc Mo 11, no 5:470-473, 3 figs (November 1920)

21 The fish fauna of the California Tertiary. Stanford Univ Pub, Univ ser, Biol Sciences, 1:235-300, 57 pls (1921) Noticed in Am J Sc (5) 2:354 (1921)

Jordan, David Starr—Cont.

21a The Miocene shore fishes of California. Sc Mo 13, no 5:460-464, 4 figs (November 1921)

22 Some sharks' teeth from the California Pliocene. Am J Sc (5) 3:338-342, 9 figs (1922) (*abst*) G Zentralbl 29:253 (1923) N Jb 1922, Band 2:207 (1922)

22a Restorations figuring Miocene fishes. Nat Hist, 22:271-274, 9 figs (1922)

22b (and **Gilbert,** James Zaccheus) Cenozoic fishes of California. Nature 110: 397 (1922)

23 (and **Hannibal,** Harold) Fossil sharks and rays of the Pacific slope of North America. S Cal Ac Sc, B 22, pt 2:27-68, 5 figs, 10 pls (1923)

24 Description of Miocene fishes from southern California. S Cal Ac Sc, B 23: 42-50, 8 figs (1924)

25 The fossil fishes of the Miocene of southern California. Stanford Univ Pub, Univ ser, Biol Sciences, 4, no 1, 51 pp, 21 pls (1925)

26 New sharks from the Temblor group in Kern County, Cal. Cal Ac Sc, Pr (4) 15:257-261, 1 pl (1926)

27 The fossil fishes of the Miocene of southern California. Stanford Univ Pub, Univ Ser, Biol Sciences 5:87-99 (1927)

Judd, Edward K. (Editor).

05 The Mineral Industry, during 1904 13:560 pp (1905)

06 Chromium and chrome ore. Min Ind, 14:71-79, California 73 (1906)

06a Graphite. Min Ind, 14:309-314, California 310 (1906)

06b Magnesite. Min Ind, 22:483-489. California 483, 484-486 (1914)

07 Asphaltum. Min Ind, 15:59-64, California 59, 60, 61 (1907)... 16:77-87, California 77, 79 (1908)

07a Manganese. Min Ind, 15:569-577, California 563 (1907)

Julien, Alexis A.

03 Genesis of the amphibole schists and serpentines of Manhattan Island. G Soc Am, B 14:421-494, California, analyses of hornblende schist from, 447 (1903)

Julihn, C. E.

28 (and **Meyer,** Helena M.) Copper. U S B M, Min Res, Calendar Year 1925: 347-408, California 350, 362-363, 383-385 (1928)... 1926:559-615, California 562, 571-572, 574-578, 592-594 (1929)... 1927:677-729, California 686-693, 707-708 (1929)

28a (and the Common Metals Division) Summarized data of copper production. U S B M, Ec P 1:i-vii, 32 pp, 26 tables, figs, California 17 (1928)

Julihn, C. E.—Cont.

29 (and **Meyer**, H. M.) Pyrites. U S B M, Min Res, Calendar Year 1926:295-301, California 300 (1929)

Kain, C. H.

97 (and **Schultze**, E. A.) The Santa Monica (Cal.) diatomaceous deposit with list of references to figures of species. Torrey Bot Club, B 24:496-504 (1897)

Kaiser, C. L.

24 The minor oil fields of Kern County; Poso Creek field. Cal St M Bur, Summary of Operations, California Oil Fields 10, no 1:19-22, 1 pl (map) (1924) (*abst*) Eng Index 1924:491 (1925)

24a The minor oil fields of Kern County; Wheeler Ridge field. Cal St M Bur, Summary of Operations, California Oil Fields 9, no 12:25-29, 2 pls (1924) (*abst*) Eng Index 1924:491 (1925)

Kania, Joseph E. A.

30 Submarine volcanic activity in relation to chert deposits and climate. Pan Am G 53:259-266 (1930)

Katz, Frank J. (1883-1930).

13 Infusorial earth. U S G S, Min Res, Calendar Year 1912:828-830, California 828 (1913)

13a Feldspar. U S G S, Min Res, Calendar Year 1912:1007-1011, California 1008-1010 (1913)... 1913:145-151, California 145, 148-149 (1914)... 1914:449-454, California 451-452 (1916)... 1915:43-53, California 43, 49, 50, 51 (1917)... 1916:173-184, California 173, 179, 181-182 (1919)... 1917:139-144, California 139, 141-142 (1920)... 1921: 111-115, California 112-113 (1924)... 1922: 251-259, California 252, 253, 254 (1925)

13b Pumice. U S G S, Min Res, Calendar Year 1912:830, California 830 (1913)... 1913:271, California 271 (1914)... 1914:550, 551, 563-564, California 550, 564 (1916)... 1915:66-67, 77, California 66, 77 (1917)... 1916:197-199, 209, California 198, 209 (1919)... 1917:227-228, California 227-228 (1920)... 1918:1172, 1173, 1181, 1183, California 1173, 1182, 1183 (1921)... 1923:328, 332-333, California 328 (1927)... U S B M, Min Res, 1924:241-242, 248, California 242, 248 (1927)... 1925:171-172, 176-177, California 171, 176 (1928)

13c Quartz. U S G S, Min Res, Calendar Year 1912, pt II:1012-1015, California 1012-1014 (1913)... 1913:175-179, California 177-178 (1914)... 1914:443-447, California 445-446 (1916)... 1915:54-59, California 57-58 (1917)... 1916:283-287, California 285-286 (1919)... 1917:207-211, California 208-209, 211 (1920)... 1918: 379-384, California 381, 384 (1921)... U S B M, Min Res, 1924: 183-186, California 184-185 (1927)... 1925: 305-309, California 307 (1928)

Katz, Frank J.—Cont.

14 Diatomaceous earth. U S G S, Min Res, Calendar Year 1913 pt II:180, 254, 267-271, California 180, 254, 268, 270-271 (1914)... 1914:448, 550-551, 560-561, California 448, 550, 561 (1916)... 1915:55-60, 74-76, California 56, 58, 60, 75-76 (1917)... 1916:197-199, 205-208, California 198, 207-208 (1919)... 1917:208, 213-214, 224-227, California 209, 226-227 (1920)... 1918:1171-1173, 1181-1183, 380, California 380, 1173, 1182-1183 (1921)... 1923:327-328, 332, California 328, 332 (1927)... U S B M, Min Res, 1924:241-242, 247-248, California 242, 247-248 (1927)... 1925:171-172, 327-328, 332, 176, California 171, 176 (1928)

16 Millstones. U S G S, Min Res, Calendar Year 1914:550-554, California 554 (1916)... 1915:66-69, California 69 (1917)

16a Pebbles for grinding. U S G S, Min Res, Calendar Year 1914, pt II:564-567, California 566 (1916)... 1916:198, 199, 219-211, California 198, 210 (1919)... 1918: 1173, 1185-1186, California 1173, 1185 (1921)... 1923:328, 333, California 328, 333 (1927)... U S B M, Min Res, 1924:241-242, 249, California 242, 249 (1927)... 1925:171-172, 177, California 171, 177 (1928)

Kay, G. F.

24 (and **Diller**, J. S.) Description of the Riddle quadrangle, Oregon. U S G S, G Atlas Riddle folio no 218:8 pp, 8 figs, 3 maps (1924) (*abst*) Rv Geol et Sci conn 6:127 (1925)

Keeler, James Edward.

90 Earthquakes in California in 1889. U S G S, B 68:25 pp (1890)

Keeney, Robert M.

14 (and **Lyon**, Dorsey A.) Electric furnaces for making iron and steel. U S Bur Mines, B 67:142 pp (Iron ore deposits on the Pacific Coast): 39-40 (1914)

Keep, Josiah.

08 The Leona mines and quarries. Cal Phys Geog Club, B 1, no 3:5-8 (1908)

Kellogg, Louise.

11 A fossil beaver from the Kettleman Hills, Cal. Cal Univ, Dp G, B 6:401-402 (1911) (*absts*) Sc Progress 6:558-559 (1912) G Mag (5) 9:278 (1912)

12 Pleistocene rodents of California. Cal Univ, Dp G, B 7:151-168, il (1912) (*abst*) G Zentralbl 19:650 (1913)

Kellogg, Remington.

18 Pinnipeds from Miocene and Pleistocene deposits of California. (*abst*) G Soc Am, B 29:161 (1918)

21 A new pinniped (*Pliopedia pacifica*) from the upper Pliocene of California. J Mammalogy, 2, no 4:212-226, 13 figs

Kellogg, Remington—Cont.

(November 1921) (Review) Rv crit Paleozool 28:167 (1924) Rv Geol et Sci conn 5:698-699 (1904)

22 Description of the skull of *Megaptera miocaena*, a fossil humpback whale from the Miocene diatomaceous earth of Lompoc, Cal. U S Nat Mus, Pr 61, art 14: 1-18, 4 pls, 10 figs (1922) (*abst*) Rv Geol et Sci conn 5:122 (1924) Rv crit Palezool 28:17 (1924)

22a Pinnipeds from Miocene and Pleistocene deposits of California. Cal Univ, Dp G, B 13:23-132, 6 figs (1922) (*abst*) Rv Geol et Sci conn 4:94-95 (1923) G Zentralbl 30:24 (1924) N Jb 2:97-98 (1925) (Review) Rv crit Palezool 28:12 (1924)

25 A fossil physeteroid cetacean from Santa Barbara County, Cal. U S Nat Mus, Pr 66, art 27:8 pp, 2 pls (1925)

25a Additions to the Tertiary history of the pelagic mammals of the Pacific coast of North America. Carnegie Inst, Wash, Pub 348:120 pp, 29 figs, 13 pls (1925)

27 (and **Gregory**, William K.) A fossil porpoise from California. Am Mus Novitates no 269:7 pp, 3 figs (May 20, 1927) (*abst*) G Zentralbl 37:57 (1928)

27a Study of the skull of a fossil sperm-whale from the Temblor Miocene of southern California. Carnegie Inst, Wash, Pub 346:1-22, pls 1-9 (1927)

27b Fossil pinnipeds from California. Carnegie Inst, Wash, Pub 346:27-37, 8 figs (1927)

29 A new Cetothere from southern California. Cal Univ, Dp G, B 18:449-457, 2 figs (1929)

Kemmerling, G. L. L.

15 Geologische problemen in Yosemite National Park. Nederlandsch Natuuren Geneeskundig Congress. 15, Amsterdam, 1915, Handl :530-534 (1915) G Zentralbl 22:275-276 (1916)

15a Dwars door Californiö vanaf de kust van den Pacifischen Ocean tot aan den hoogtekam van den Sierra Nevada. Jb 1915-1916 van demijnbouwkundige vereeniging te Delft, blz. 96-116. Met 3 textfig. en 6 afb. naar fotogr. (Niederländisch.) (*abst*) G Zentralbl 23:432 (1919)

Kemnitzer, L. E.

24 The Salinas earthquake of December 27, 1924 (California). Seism Soc Am, B 14: 230-232, 1 fig (1924)

Kemnitzer, William.

21 The Eagle Lake (Lassen County, Cal.) earthquake of July 21, 1921. Seism Soc Am, B 11:192-193, 1 pl (1921)

21a The Chittenden earthquake of July 24, 1921 (California). Seism Soc Am, B 11:189-190, 1 pl (1921)

Kemp, James Furman.

93 Antimony. Min Ind, 1:19-28, California 19 (1893)

93a Borax. Min Ind, 1:43-47, California 43-44 (1893)

93b The ore deposits of the United States. 302 pp, N Y (1893) 2d ed, 343 pp, N Y (1895) 3d ed ("and Canada" added to title) 481 pp, N Y (1900) 5th ed 481 pp, N Y (1903)

94 Sulphur. Min Ind, 2:585-602, California 587, 593 (1894)

02 The geological relations and distribution of platinum and associated metals. U S G S, B 193:95 pp, maps (1902)

10 Iron ore reserves in the United States. (Int G Cong 11, Stockholm, 1910) *In* The iron resources of the world 2:755-778, California 775 (1910)

Kenngott, A.

53 Magnesite from Pitch (or Pit) River, near Sacramento, Cal. Uebersicht der resultate Mineralogischer Forschungen; Jahrg (1853), p 38 (1855), Leipzig.

Kent, William.

92 Gold and silver. U S G S, Min Res, Calendar Year 1889-90:48-55, California 49-50 (1892)

Kern, Edward M.

76 Journal of Mr. Edward M. Kern of an exploration of the Mary's or Humboldt River, Carson Lake, and Owens River and lake in 1845. *In* Report of explorations across the Great Basin of the territory of Utah for a direct wagon-route from Camp Floyd to Genoa, in Carson Valley in 1859, by J. H. Simpson, 477-486 (1876)

Kerr, Mark B.

96 Geologic surveys of the gold belt of California. M Sc Press 73:378 (1896)

12 Mines of the southern Sierra of California and Nevada. M Sc Press 104:34-35 (1912) (*abst*) Eng Index 1912:449 (1913)

Kerr, Paul F.

25 (and **Schenck**, H. G.) Active thrust-faults in San Benito County, Cal. G Soc Am, B 36:465-494 (1925) (*abst*) G Soc Am, B 36:157 (1925) Pan Am G 43:152 (1925) G Zentralbl 34:314-315, 361 (1927) Rv Geol et Sci conn 8:555 (1927)

28 (and **Schenck**, Hubert G.) Significance of the Matilija overturn. G Soc Am, B 39:1087-1102 (1928) Pan Am G 49:77 (1928) (*abst*) G Zentralbl 41:84-85 (1930)

Kessler, H. H.

04 (and **Hamilton**, W. R.) The orbicular gabbro of Dehesa, Cal. Am G 34:133-140 (1904)

Kew, William Stephen Webster.

13 (and **Stoner,** R. C.) Monterey series on the south side of Mount Diablo, Cal. (*abst*) G Soc Am, B 24:129 (1913)

14 Tertiary echinoids of the Carriso Creek region in the Colorado Desert. Cal Univ, Dp G, B 8:39-60, il, map (1914) (*abst*) G Zentralbl 30:18 (1924)

14a Echinoderms of the San Pablo. (*abst*) G Soc Am, B 25:152 (1914)

15 Tertiary echinoids from the San Pablo group of middle California. Cal Univ, Dp G, B 8:365-376, il (1915) G Zentralbl 29:539 (1923)

15a Geology of a portion of the Santa Ynez River district, Santa Barbara Co., Cal. (*abst*) G Soc Am, B 26:401-402 (1915)

17 Recent additions to our knowledge of California Cenozoic echinoids. (*abst*) G Soc Am, B 28:226 (1917)

18 Geologic range and evolution of the more important Pacific coast echinoids. (*abst*) G Soc Am, B 29:164 (1918)

19 Structure and oil resources of the Simi Valley, southern California. U S G S, B 691: 323-347, 4 pls (incl map), 1 fig (1919) (*abst*) by R. W. Stone, Wash Ac Sc, J 9:441-442 (1919) (*abst*) Eng Index 1919:326 (1920)

19a Geology of a part of the Santa Ynez River district, Santa Barbara Co., Cal. Cal Univ, Dp G, B 12:1-21, 2 pls (incl map), 2 figs (1919)

20 Cretaceous and Cenozoic Echinoidea of the Pacific coast of North America. Cal Univ, Dp G, B 12:23-236, 40 pls, 5 figs (1920) (*abst*) G Zentralbl 25:543-544 (1921) ... 29:536-538 (1923) Rv Geol et Sci conn 2:119-121 (1921)

23 Geologic formations of a part of southern California and their correlation. Am As Petroleum G, B 7:411-420 (1923)

23a Geologic evidence bearing on the Inglewood earthquake of June 21, 1920. Seism Soc Am, B 13:155-158, 1 fig (1923)

23b (with **Laughlin,** Homer., and **Arnold,** Ralph) Southern California earthquake of July 22, 1923. Seism Soc Am, B 13:105-106, 1 pl (1923)

24 Geology and oil resources of a part of Los Angeles and Ventura counties, Cal. U S G S, B 753:202 pp, 7 figs, 17 pls (incl maps), (1924)

24a Faulting in the western part of San Gabriel Mountains. (*abst*) G Soc Am, B 35:165-166 (1924)

24b The minor oil fields of Kern County. (Review) Am As Petroleum G, B 8:832 (1924)

26 A geologic summary of California oil fields. Oil Bull 12, no 1:33-35, 39, 41, 43, 1 pl (January 1926) (*abst*) Eng Index 1926:534 (1927)

Kew, William Stephen Webster—Cont.

26a Geologic and physiographic features in the San Pedro Hills, Los Angeles Co, Cal. Oil Bull 12, no 5:513-518, 3 figs (May 1926) (*abst*) Eng Index 1926:534 (1927)

27 Geologic sketch of Santa Rosa Island, Santa Barbara Co., Cal. G Soc Am, B 38:645-658 (1927) Oil Bull 13:1257-1260, 1330 (1927) (*abst*) G Zentralbl 41:326 (1930)

28 Geological sketch of Santa Rosa Island, Santa Barbara County. (*abst*) G Soc Am, B 39:267 (1928)

Keyes, Charles Rollin.

08 Rock-floor of intermont plains of the arid region. G Soc Am, B 19:63-92, 1 pl, 7 figs, California 69-72 (1908)

09 Borax deposits of the United States. Am I M Eng, B 34:867-903 (1909): Tr 40: 674-710 (*discussion*) 909-913 (1910)

09a American borax deposits. Eng M J, 88:826-827, 1 fig (1909)

09b Base-level of eolian erosion. J G 17:659-663 (1909)

10 Relations of present profiles and geological structures of desert ranges. G Soc Am, B 21:543-564 (1910) G Zentralbl 16:432 (1911)

10a Deflation and relative efficiencies of erosion processes in arid climates. G Soc Am, B 21:564-598 (1910)

12 Deflative scheme of geographic cycle in an arid climate. G Soc Am, B 23:537-562 (1912)

22 Changing spherocity of our earth. Pan Am G 37:81-84 (1922)

22a New borate field in Nevada. Pan Am G 37:343-344 (1922)

22b Sedimentary origin of colemanite deposits. Pan Am G 37:399-401 (1922)

22c Contemporary formation of commercial borates. Pan Am G 37:401-402 (1922)

22d Interior seas of arid region. Pan Am G 37:402-403 (1922)

22e Marine origin of boraciferous terranes. Pan Am G 37:403-406 (1922)

22f Vein character of colemanite deposition. Pan Am G 37:407-408 (1922)

22g Vein attitude of colemanite beds. Pan Am G 37:408-409 (1922)

22h Faulting of colemanite beds. Pan Am G 37:411-413 (1922)

22i Possible secondary character of bedded colemanite. Pan Am G 37:414-416 (1922)

22j Death Valley section of boraciferous terranes. Pan Am G 37:416 (1922)

22k Formation of borates in desert playas. Pan Am G 37:410-411 (1922)

22l Vein nature of commercial borates. Eng M J 133:1082 (1922) (*abst*) Rv Geol et Sci conn 6:269 (1925)

23 Type localities for sundry Nevada terranes. Pan Am G 40:77-80 (1923)

Keyes, Charles Rollin—Cont.

23a Prediction of earthquakes in the premises. Pan Am G 40:302-304 (1923)

23b Geology of Nevada. Pan Am G 40:35-64 4 pls, California 52, 59, 70 (1923)

24 Mastery of the winds in land sculpture. Pan Am G 41:321-334 (1924)

24a Recessional streams in arid regions. Pan Am G 42:30-36 (1924)

24b End of deflation. Pan Am G 42:219-228 (1924)

25 Title of Fernando formation in California. Pan Am G 43:315-316 (1925)

26 Regional creep in earth's crust and prediction of earthquakes. Pan Am G 46:63-66 (1926)

27 Taconic question restated. Pan Am G 48, no 1:55–70 (1927)

29 Span of our American Cambric. Pan Am G 52:321-339 (1929)

Keyes, Robert L.

23 (and **Case**, J. B.) Report on the Long Beach oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 9, no 4:5-17, 3 pls (October, 1923)

26 (and **Godde**, H. A.) Report on the northeastern flank of the Buena Vista Hills, Midway oil field, Kern Co., Cal. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp, 12, no 1:5-12, 1 fig, 3 pls (1926)

28 An electrical apparatus for locating the source of water in oil wells. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 10, no 12:5-18 (June 1925) (*abst*) Rv Geol et Sci conn 9:194 (1928)

Keyes, W. S.

76 Borax Lake and sulphur and quicksilver deposits near Clear Lake, California Conversazione of the American Institute of Mining Engineers. Special Report of the Engineering and Mining Journal. Eng M J 22:118 (1876)

Kiess, E. E.

12 The after-shocks of the earthquakes of 1903, 1906, and 1911 as observed at Mount Hamilton, Cal. Seism Soc Am, B 2:92 (1912)

Kiessling, O. E.

29 (with **Tryon**, F. G., and **Mann**, L.) Coal. U S B M, Min Res, Calendar year 1926:419-585, California 436, 461, 492, 496-497, 535 (1929)... 1927:327-509, California 340, 341, 353, 355, 365, 366, 367, 368, 386, 387, 396, 397-401, 402, 426, 447, 452, 461 (1930)

Killick, V. W.

22 Signal Hill. Petroleum World (Los Angeles) 7:5-6, 32 (April, 1922)

Kimball, James P.

86 Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1885:317 pp (1886)... 1886:343 pp (1887)... 1887:373 pp (1888)... 1888:246 pp (1889)

Kimball, L. L.

02 Cement. U S G S, Min Res, Calendar Year 1901:721-728, California 721-722 (1902)... 1902: 777-787, California 778 (1904)... 1903:883-910 California 884, 886 (1904)... 1904:909-939, California 911, 913 (1905)... 1905:924-944, California 926, 928-929 (1906)

04 Review of the cement industry in the U S, by States. U S G S, Min Res, Calendar Year 1902:789-812, California 789-791 (1904)

Kimble, George W.

07 The ancient river channels of California. M Sc Press, 94:726-727, 2 figs (1907)

07a Pockets in the upper portion of gold veins (Mt. Thompson, Eldorado Co., Cal.). M Sc Press 94:343-344 (1907)

King, B.

51 Californien bis sur nuesten Zeit gewonnene Gold-Mengen. N Jb 1851:720-721 (1851)

King, Clarence (1842-1901).

70 Mining districts (geological occurrence of quicksilver). U S G Expl 40th Par (King) 3:5 (1870)

71 On the discovery of actual glaciers on the mountains of the Pacific slope. Am J Sc (3) 1:157-167 (1871)

71a Active glaciers within the United States. Atlantic Monthly 27:371-377 (1871)

71b Geological exploration of the fortieth parallel (report). U S (War Dp), Chief Eng, An Rp 1871 (U S 42d cong, 2d sess, H Ex Doc 1, pt 2, v 2) App Z:1027-1030 (1871)

71c Shasta. Atlantic Monthly 710-720 (December 1871)

72 Mountaineering in the Sierra Nevada. 292 pp, Boston (1872) 4th ed (1874)

72a (Report on) geological exploration on the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. U S (War Dp), Chief Eng, An Rp 1872 (U S 42d cong, 3d sess, H Ex Doc 1, pt 2, v 2): 101-102 (1872)

73 Annual report upon the geological exploration of the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. 10 pp, Washington (1873) Also in U S (War Dp), Chief Eng, An Rp 1873 (U S 43d cong,

King, Clarence—Cont.

1st sess, H Ex Doc 1, pt 2, v 2) App DD: 1203-1210 (1873)

74 (and **Hague,** J. D.) Report on property of Sierra Iron and Mining Company. *In* Raymond Statistics of mines and mining in the States and Territories west of the Rocky Mountains (6th An Rp): 44-46 (1874)

74a Annual report upon the geological exploration of the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. 6 pp, Washington (1874) Also in U S (War Dp), Chief Eng, An Rp 1874 (U S 43d cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 2) App EE: 477-480 (1874)

75 Annual report upon the geological exploration of the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. 5 pp, Washington (1875) Also in U S (War Dp), Chief Eng, An Rp 1876 (U S 34th cong, 1st sess, H Ex Doc 1, pt 2, v 2, pt 2) App KK: 919-920 (1875)

76 Annual report upon the geological exploration of the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. 6 pp, Washington (1876) Also in U S (War Dp), Chief Eng, An Rp 1876 (U S 44th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App II:217-218 (1876)

76a Paleozoic subdivisions of the fortieth parallel. Am J Sc (3) 11:475-482 (1876)

77 Annual report... geological exploration of the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. U S (War Dp), Chief Eng, An Rp 1877 (U S 45th Cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 2) App MM: 1207 (1877)

78 Annual report... geological exploration of the fortieth parallel from the Sierra Nevada to the eastern slope of the Rocky Mountains. U S (War Dp), Chief Eng, An Rp 1878 (U S, 45th cong, 3d sess, H Ex Doc 1, pt 2, v 2, pt 3) App MM: 1419 (1878)

78a Systematic geology. U S G, Expl 40th Par (King) 1:803 pp, maps (1878)

80 First annual report of the United States Geological Survey. 79 pp, 1 map (1880)

82 Production of the precious metals in the United States. U S G S, An Rp 2: 331-401 California 343-346, 385 (1882)

82a Silver contained in placer gold, California. U S G S, An Rp 2:379-380 (1882)

King, V. L.

23 Some observations of Imperial Valley, California. Oil Age, 20:12 (September, 1923)

Kirchhoff, Charles, Jr.

83 Copper. U S G S, Min Res, Calendar Year 1882:213-305, California 226-227 (1883)... 1883-84:322-410, California 329, 340-341 (1885)... 1885:208-213, California 210 (1886)... 1886:109-139, California 112, 118 (1887)... 1887:66-97, California 69, 76 (1888)... 1888:43-77, California 54, 59 (1890)... 1889-90:56-77, California 60 (1892)... 1891:81-102, California 84 (1893)... 1892:95-120, California 97 (1893)... 1893: 62-88, California 65 (1894)... 1900:141-190, California 144, 160 (1901)

83a Copper. U S G S, Min Res, Calendar Year 1901:157-198, California 161, 171-172 (1902)... 1902:163-203, California 166, 178 (1904)... 1903:201-239, California 204, 217 (1904)... 1904:221-257 California 222, 226, 239 (1905)... 1905:343-362, California 343, 345, 355 (1906)

83b Lead. U S G S, Min Res, Calendar Year 1882:306-323 California 313 (1883)... 1883-84:411-473, California 416 (1885)... 1885:244-271, California 248 (1886)... 1886: 140-153, California 146-147 (1887)... 1887: 98-112, California 104 (1888)... 1889-90: 78-87, California 80 (1892)... 1900:191-211, California 196 (1901)... 1901:199-210, California 201 (1902)... 1902:205-216, California 207 (1904)... 1903:241-252, California 243 (1904)... 1904:259-271, California 261-262 (1905)... 1905:363-370, California 364-365 (1906)

92 Copper, lead and zinc. *In* U S 11th Census Report on Mineral Industries in the United States. 153-176 (1892)

97 Copper. U S G S, An Rp 18, pt 5: 185-235 California 205 (1897)... An Rp 19, pt 6:137-196, California 140-143, 160 (1898)... An Rp 20, pt 6:159-220, California 159-165, 185 (1899)... An Rp 21, pt 6:163-223, California 166-170, 187 (1901)

98 Lead. U S G S, An Rp 19, pt 6:197-222, California 201 (1898)... An Rp 20, pt 6:221-247, California 226 (1899)... An Rp 21, pt 6:225-247, California 227, 229 (1901)

Kirchhoff, Theodor.

86 Californische Kulturbilder. 376 pp, Yosemite: 134-153 (1886) (*abst*) Petermann's Mitt 1887 (Beil zum 33):73-74 (1887)

Kirk, Edwin.

18 Stratigraphy of the Inyo Range (southern California). U S G S, P P 110: 19-48 (1918)

Kirkbride, W. H.

27 The earthquake at Santa Barbara, California, June 29, 1925, as it affected the railroad of the Southern Pacific Company. Seism Soc Am, B 17:1-7 (1927)

Kittl, Ernst

12 Materialien zu einer monographie der Halobiidae und Monotidae der Trias. Separatabdruck aus dem werke, Resultate der Wissenschaftl. Erforschung des Balatonsees. 1 Band 1 Teil Pal Bd 2: 229 pp (1912)

Klautzsch, A.

09 Das kalifornische Erdbeben von 18 April, 1906. Ges Erdk Berlin Zs, 1909, no 9:609-616 (1909)

Klittke, M.

95 Ueber die Aussichten künstlicher Bewässerung in den regenarmen Strichen der Vereinigten Staaten. Zs Prak G 1895: 340-346 (1895)

96 Entwickelung. Organization, und Leistungen der geologischen Landesaufnahmen in den Vereinigten Staaten von Nordamerika. Zs Prak G 1896:209-213, 289-352, California 297-300 (1896)

Klupfel, Walter.

26 Reisebilder in Nordamerika. Deut G Ges, Zs 78, Monatsb:181-182 (1926)

Knapp, Arthur.

26 Petroleum. Min Ind, 34:513-545, California 518, 526, 537, 543 (1926)... 35:482-511, California 485, 491, 494, 503-504 (1927)... 36:415-445, California 419, 420, 428-429 (1928)... 37:442-472, California 444, 447, 453, 456, 471 (1929)

Knapp, I. N.

05 Drilling wells in soft and unconsolidated formations. Stevens Inst Indicator, 20 pp, 11 figs (January, 1905)

Knapp, S. A.

98 Occurrence and treatment of the carbonate of soda deposits of the Great Basin. M Sc Press 77:448 (1898)

99 Occurrence and recovery of sodium carbonate in the Great Basin. Min Ind 7:626-634 (1899)

Kneeland, Frank H.

18 Coal. Min Ind, 26:94-132, California 94 (1918)... 27:93-137, California 94 (1919)... 28:83-136, California 84 (1920)... 29:93-138, California 94 (1921)

Kneeland, Samuel Jr. (1821-1888).

71 The wonders of the Yosemite Valley and of California. 71 pp (1871) 2d edition 79 pp (1872) 3d edition 98 pp (1872)

72 On the glaciers of the Yosemite Valley. Boston Soc N H, Pr 15:36-47 (1872)

Knight, C. Y.

07 A curious occurrence of copper (near Shingle Springs, El Dorado Co., Cal.). M Sc Press 94:242 (1907)

Knight, Enoch.

92 Temescal tin mines. Eng M J., 53:276, pl 3, New York (1892)

Kniker, Hedwig T.

24 (and **Beede,** J. W.) Species of the genus *Schwagerina* and their stratigraphic significance. Texas Univ, B 2433: 96 pp, 9 pls, California 55-56 (1924)

Knochenhayer, B.

97 Der Goldbergbau Kaliforniens und sein Ertrag in Vergangenheit, Gegenwart und Zukunft. Ber u Hüttenm Ztg 1897: 251-254, 273-275, 293-295, 299-303, 311-315, 322-326, 346-348, 366-369 (1897)

Knopf, Adolph.

05 (and **Thelen,** P.) Sketch of the geology of Mineral King, Cal. Cal Univ, Dp G, B 4:227-262, map (1905) (*abst*) G Zentralbl 8:275-276 (1906)

06 An alteration of Coast Range serpentine. Cal Univ, Dp G, B 4:425-430 (1906) (*abst*) G Zentralbl 10:386 (1908)

06a Notes on the foothill copper belt of the Sierra Nevada. Cal Univ, Dp G, B 4:411-423 (1906) (*abst*) G Zentralbl 10: 391 (1908)

14 Mineral resources of the Inyo and White Mountains, Cal. U S G S, B 540: 81-120, map (1914)

14a The Darwin silver-lead mining district, Cal. U S G S, B 580:1-18 (1914) (*abst*) G Zentralbl 21:597 (1915)

17 Tungsten deposits of northwestern Inyo Co., Cal. U S G S, B 640:229-249 (1917) (*abst*) Wash Ac Sc, J 7:357 (1917) G Zentralbl 28:165 (1922)

17a An andalusite mass in the pre-Cambrian of the Inyo Range, Cal. Wash Ac Sc, J 7:549-552 (1917)

18 A geologic reconnaissance of the Inyo Range and the eastern slope of the southern Sierra Nevada, Cal.; with a section on the stratigraphy of the Inyo Range, by Edwin Kirk. U S G S, P P 110:130 pp, maps (1918) (*abst*) Wash Ac Sc, J 9:414 (1919)

18a Strontianite deposits near Barstow, Cal. U S G S, B 660:257-270, map (1918) (*abst*) Wash Ac Sc, J 8:94-95 (1918) G Zentralbl 28:166 (1922)

25 Discovery of andalusite in California. Eng M J 120:778 (1925)

29 The Mother Lode system of California. U S G S, P P 157:88, 12 pl, 26 figs, 1 map (1929) (Review) Eng M J 128:24 (1929) J G 38:377-378 (1930) (*ann*) An Bib Ec G 2:64 (1929) (*abst*) Rv Geol et Sci conn 10:325 (1929) G Zentralbl 41: 364-367 (1930) (*Review*) G Mag 67:36 (1930)

30 (and **Anderson,** C. A.) The Engels copper deposits, California. Ec G 25:14-35 2 figs (1930) (*ann*) An Bib Ec G 3:60

Knopf, Adolph—Cont.

(1931) (*abst*) G Zentralbl 42:366 (1930) (*abst*) Eng Index 1930: 450 (1931)

Knowlton, Frank Hall.

95 Report on a small collection of fossil plants from Poverty Hill and Monte Cristo mine on Spanish Peak, California, submitted by H. W. Turner, January, 1895. Am G, 15:377-378 (1895)

95a Report on small collection of fossil leaves from Volcano Hill, Placer Co., Cal. Am G 15:377-378 (1895)

96 Report on the flora of the Independence Hill locality, California. *In* Lindgren, The age of the auriferous gravels of the Sierra Nevada. J G 4:886-893 (1896)

98 A catalogue of the Cretaceous and Tertiary plants of North America. U S G S, B 152:244 pp (1898)

98a Fossil plants from San Pablo formation, California. J G, 6:498 (1898)

00 (with **Ward**, Lester Frank, **Fontaine**, Wm. M., and **Wanner**, Atreus) Status of the Mesozoic floras of the United States. The older Mesozoic. U S G S, An Rp 20, pt 2:211-748, il (1900)

08 Report on fossil plants. *In* J. S. Diller, Strata containing the Jurassic flora of Oregon. G Soc Am, B 19:384-386 (1908)

08a Report on fossil plants from the Foreman beds (Jurassic) of the Taylorsville region, California. *In* J. S. Diller, Geology of the Taylorsville region, California. U S G S, B 353:55 (1908)

10 Succession and range of Mesozoic and Tertiary floras. J G 18:105-116 (1910)

11 Flora of the auriferous gravels of California. U S G S, P P 73:57-64 (1911)

15 Comparison of Cretaceous floras of California with those of other Cretaceous areas. (discussion) G Soc Am, B 26:414-415 (1915)

16 Notes on two conifers from the Pleistocene Rancho La Brea asphalt deposits, near Los Angeles, Cal. Wash Ac Sc, J 6:85-86 (1916)

19 A catalogue of the Mesozoic and Cenozoic plants of North America. U S G S, B 696:815 pp (1919) (*abst*) Rv Geol et Sci conn 1:488 (1920)

Knox, Newton Booth.

03 Dredging and valuing dredging ground in Oroville, Cal. Can M Rv 22: 211-213 (1903) (*abst*) G Zentralbl 9:522 (1907)

Koch, Felix J.

11 The Calaveras skull (The skull is shown to be recent and placed where found for a hoax). Am Antiquarian 33: 199-202 (1911)

Koch, Fred W.

07 California's inland sea (Salton sink region). Cal Phys Geog Club, B 1:4-7 (1907)

Kocher, A. E.

23 (with **Nelson**, J. W., **Dean**, W. C., **Watson**, E. B., **Carpenter**, E. J., **Lapham**, Macy H.) Soil survey of the Ventura area, California. U S Dept Agr, Bur Soils, Rp 19:2321-2403, pls 56-58, map 56 (1923)

23a (with **Carpenter**, E. J., **Dean**, Walter C., **Smith**, Alfred, **Cosby**, S. W., and **Wank**, M. E.) Soil survey of the Brawley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1920:641-716, 5 pls, 1 fig, 2 maps (1923)

24 (with **Strahorn**, A. T., **Watson**, E. B,. **Eckmann**, E. C., **Hammon**, J. B., **Lapham**, M. H.) Soil survey of the El Centro area, California. U S Dept Agr, Bur Soils, Rp 20:1633-1687, pls 27-30, maps 43-44 (1924)

24a (and **Cosby**, Stanley W.) Soil survey of the Victorville area, California. (advance sheets) U S Dp Agr, Bur Soils, 1921:623-672, pls 19-22, figs 24, 25, 1 map (1924)

27 (and **Harper**, W. G.) Soil survey of the Coachella Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1923:485-534, pls 16-20, fig 16, 2 maps (1927)

28 (and **Youngs**, F. O.) Soil survey of Palo Verde area, Cal. U S Dp Agr, Bur Soils field operations for 1922, Rp 24:571-625, pls 17-19 map (no 17), (1928)

29 (with **Carpenter**, E. J., and **Youngs**, F. O.) Soil survey of King City area, California. U S Dp of Agr, Bur Chem and Soils Ser, 1924, no 24:63 pp, 1 pl, 1 fig, 1 map (1929)

Koeber, James.

19 (with **Guernsey**, J. E., **Zinn**, C. J., **Eckmann**, E. C., and **Lapham**, Macy H.) Soil survey of the Honey Lake area, California. U S Dp Agr, Bur Soils 1915, Rp 17:2255-2314, pls 56-57 and pl C, map (no 60), (1919)

Koechlin, R.

07 Neue Mineralien. Min petr Mitth 26: 328-335 (1907)

Koenig, George Augustus.

79 Mountain soap of California. Ac N Sc Phila, Pr 1878:405-406 (1879)

Kohl, J. G.

58 Uber die Hydrographic und Entdeckungsgeschichte der Bay von San Francisco. Zs Allg Erdk (2) 4:293-325 (1858)

Koon, Sidney G.

25 (and **Cone**, Edwin F.) Iron. Min Ind, 33:368-421, California 370, 371 (1925)

29 Iron. Min Ind, 37:298-348 California 302 (1929)

Kotick, O. F.

28 The Rincon oil field. Oil Bull 14: 1033-1037 (1928) (*ann*) An Bib Ec G 1: 228 (1928) (*abst*) Eng Index 1928:1298 (1929)

Kraatz, von K.

96 Notes on the formation of gold ore. Am G 18:100-108 (1896)

Kramm, H. E.

10 Serpentines of the central coast ranges of California. Am Ph Soc, Pr 49: 315-349, 2 pls, 1 fig (map), (1910) (*abst*) Science (n s) 32:31 (1910) G Soc Am, B 21:793 (1910)

12 Geology of Harrison Gulch, in Shasta County, California. Am I M Eng, B 67: 709-715, 2 figs (1912) Tr 43:233-239, 2 figs (1913) G Zentralbl 18:695 (1913) (*abst*) Eng Index 1912:449 (1913)

Kraus, Edward Henry.

08 Interpretation of the chemical composition of the mineral benitoite. Science (n s) 27:710-711 (1908)

15 (and **Hunt**, W. F.) Manganhaltiger Albit von Kalifornien. Centralbl Miner 1915:465-467 (1915) Min Absts 2:62 (1923)

Kroustchoff, K de.

85 Note sur une hypérite à structure porphirique de l'Amérique. Soc Minér France, B 8:11-16 (1885)

86 Note sur le granite variolotique de Craftsbury en Amerique. Soc Minér France, B 8:132-141 (1885) (*abst*) Am Nat 20:275-276 (1886)

Kruttschnitt, J., Jr.

08 Shasta and Siskiyou counties. *In* The Copper Resources of California. Cal St M Bur, B 50:366 pp, 74 il (1908)

Kübel, S. J.

01 Lithographic stone. U S G S, Min Res, Calendar Year 1900:869-873, California 869 (1901)

Kuhn, Olin R.

27 Iron. Min Ind, 35:341-389, California 344 (1927)... 36:284-339 California 288 (1928)

Kunz, George Frederick.

83 Obsidian. U S G S, Min Res, Calendar Year 1882:483-503, California 496 (1883)

83a Spinel. U S G S, Min Res, Calendar Year 1882:483-503, California 486 (1883)... 1892:756-781, California 762 (1893)

Kunz, George Frederick—Cont.

83b Quartz and related minerals. U S G S, Min Res, Calendar Year 1882:483-503, California 490-492 (1883)... 1883-84: 723-782, California 757 (1895)... 1886:595-605, California 597 (1887)... 1892:756-781, California 773-775 (1893)... 1900:749-778, California 763 (1901)... 1901:729-771 California 751, 755-756 (1902)... 1902:813-865, California 850, 852-853 (1904)... 1904:941-987, California 965-966 (1905)... 1905:1323-1358, California 1346 (1906)

83c Diamonds. U S G S, Min Res, Calendar Year 1882:483-503, California 484 (1883)... 1892:749-778, California 756-759 (1893)... 1893:680-702, California 683 (1894)... 1900:749-778, California 750 (1901)... 1904:941-987, California 944-945 (1905)... 1905:1323-1358, California 1324 (1906)

92 Mineralogical notes on brookite, octahedrite, quartz and ruby. Am J Sc (3) 43:329-330 (1892)

92a Precious stones. *In* U S 11th Census Report on Mineral Industries in the United States. 667-678 (1892)

93 Tourmaline. Min Ind, 1:399-406, California 402 (1893)... 15:665-667, California 665 (1907)... 22:622-650, California 626 (1914)... 24:591-613, California 592 (1916)... 26:576-601, California 600 (1918)... 30:580-606, California 603 (1922)

93a Mineralogical notes on brookite, octahedrite, and quartz. Cal St M Bur, Rp 11:207-209 (1893)

93b Tourmaline. U S G S, Min Res, Calendar Year 1892:756-781, California 765 (1893)... 1893:680-702, California 695-696 (1894)... 1900:749-778, California 761 (1901)... 1901:729-771, California 748 (1902)... 1904:941-987, California 954, 967-972, 981, 984, 985 (1905)... 1905:1323-1358, California 1343-1345 (1906)

93c Turquoise. U S G S, Min Res, Calendar Year 1892:756-781, California 763 (1893)... 1901:729-771, California 760 (1902)... 1902:813-865, California 858 (1904)... 1904:941-987, California 966-967 (1905):1323-1358, California 1323-1328, 1348 (1906)

93d Jade. U S G S. Min Res. Calendar Year 1892:756-781, California 779 (1893)...

94 Dumortierite, U S G S, Min Res, Calendar Year 1893:680-702, California 697-698 (1894)... 1905:1323-1358, California 1352 (1906)

95 Precious stones. U S G S, An Rp 16, pt, 4:595-605 (1895)

97 Garnet. U S G S, An Rp 18, pt 5: 1183-1217, California 1204 (1897)... An Rp 19, pt 6:497-514, California 505 (1898)

97a Chrysoprase. U S G S, An Rp 18, pt 5:1183-1217, California 1207 (1897)... An Rp 19, pt 6:497-514, California 507

Kunz, George Frederick—Cont.

(1898)... An Rp 20, pt 6:557-601, California 589 (1899)

98 Turquoise. U S G S, An Rp 19, pt 6:497-514, California 504 (1898)... An Rp 20, pt 6:557-601, California 579-580 (1899)

98a Quartz and related minerals. U S G S, An Rp 19, pt 6:497-514, California 505, 506, 507 (1898)... An Rp 20, pt 6:557-601, California 587-588 (1899)... An Rp 21, pt 6:419-462, California 453, 454, 455 (1901)

01 Diamonds. U S G S, An Rp 21, pt 6:419-462, California 422-423 (1901)

01a Corundum. U S G S, An Rp 21, pt 6:419-462, California 436 (1901)

01b Tourmaline. U S G S, An Rp 21, pt 6:419-462, California 452 (1901)

01c Chrysocolla. U S G S, An Rp 21, pt 6:419-462 California 456 (1901)

01d Chiastolite (macle). U S G S, Min Res, Calendar Year 1882:483-503, California 497 (1883)... 1900:749-778, California 769 (1901)

01e Ouvarovite. U S G S, Min Res, Calendar Year 1900:749-778, California 760 (1901)

01f Octahedrite (Anatase) from Placerville, El Dorado County. Miner Mag, 9: 394 (1901)

01g Beryl. U S G S, Min Res, Calendar Year 1900:749-778, California 670 (1901)... 1904:941-987, California 977-979, 980-983, 985 (1905)... 1905:1323-1358, California 1340, 1344, 1345 (1906)

02 Topazolite. U S G S, Min Res, Calendar Year 1901:729-771, California 745 (1902)

02a Spessartite. U S G S, Min Res, Calendar Year 1901:729-771, California 745 (1902)... 1904:941-987, California 977-985 (1905)

02b Chrysoprase. U S G S, Min Res, Calendar Year 1901:729-771, California 755 (1902)... 1904:941-987, California 965-966 (1905)

02c Vesuvianite. U S G S, Min Res, Calendar Year 1901:729-771, California 747 (1902)... 1905:1323-1358 California 1349 (1906)

02d Precious stones in the United States in 1901. Eng M J 73:38 (1902) (*abst*) Inst M Eng, Tr 25:794 (1904)

03 On a new lilac-colored spodumene (San Diego Co., Cal.). Am J Sc (4) 16: 264-267 (1903) Science (n s) 18:280 (1903)

03a Californite (vesuvianite); a new ornamental stone. Am J Sc (4) 16:397-398 (1903) (*abst*) N Jb 1904, Band 2, Ref: 179 (1905)... 1905 Band 1, Ref:34-35 (1905)

03b Native bismuth and bismite from Pala, Cal. Am J Sc (4) 16:398 (1903)

04 Feldspar. U S G S, Min Res, Calendar Year 1903:911-977, California 950 (1904)

Kunz, George Frederick—Cont.

04a Gem minerals of southern California. (*abst*) Science (n s) 19:107-108 (1904)

04b Essonite. U S G S, Min Res, Calendar Year 1903:911-977, California 925 (1904)... 1904:941-987, California 977-979, 982, 983, 984, 985 (1905)... 1905:1323-1358, California 1342 (1906)

04c Spodumene (Kunzite). U S G S, Min Res, Calendar Year 1902:813-865, California 848-849 (1904)... 1903:911-977, California 936-942 (1904)... 1904:941-987, California 967, 972-973 (1905)... 1905:1323-1358, California 1344-1345 (1906)

05 Epidote. U S G S, Min Res, Calendar Year 1904:941-987, California 983 (1905)

05a Garnet. U S G S, Min Res, Calendar Year 1904:941-987, California 985 (1905)

05b Hydrolite. U S G S, Min Res, Calendar Year 1904:941-987, California 965 (1905)

05c Gems, jewelers' materials, and ornamental stones of California. Cal St M Bur, B 37:171 pp (1905)

05d Topaz. U S G S, Min Res, Calendar Year 1904:941-987, California 979, 980-982 (1905)... 1905:1323-1358, California 1340 (1906)

06 Chrysocolla. U S G S, Min Res, Calendar Year 1905:1323-1358, California 1352 (1906)

07 Occurrence of the diamond in North America. (*abst*) G Soc Am, B 17:692-694 (1907)

07a Beryl. Min Ind, 15:665-667, California 665 (1907)

07b Chrysoprase. Min Ind, 15:665-667, California 667 (1907) 35:491-513, California 509 (1928)

07c Kunzite. Min Ind, 15:665-667, California 666 (1907)... 26:576-601, California 600 (1918)... 27:604-628, California 626 (1919)

07d Topaz. Min Ind, 15:665-667, California 666 (1907)

08 (The cause of the San Francisco earthquake). (*abst*) N Y Ac Sc, An 18: 289-290 (1908)

14 Lapis-lazuli. Min Ind, 22:662-650, California 646 (1914)

16 Turquoise. Min Ind, 24:591-613, California 591 (1916)... 30:580-606, California 603 (1922)

17 Diamonds. Min Ind, 25:608-637, California 628 (1917)

18 Platinum. Min Ind 26:533-550, California 538-539 (1918)... 27:569-581, California 573-574 (1919)... 30:554-573, California 559 (1922)... 31:569-580, California 569 (1923)... 32:541-555, California 547-548 (1924)... 34:560-577, California 560, 561 (1926)... 35:530-549, California 531 (1927)...

Kunz, George Frederick—Cont.

36:461-476, California 462 (1928) 37:487-497, California 488 (1929)... 38:503-515, California 503 (1930)

22 Idocrase. Min Ind, 30:580-606, California 603 (1922)

22a Californite. Min Ind, 30:580-606, California 603 (1922)

Kustel, G.

65 Tellurite of gold and silver. M Sc Press 10:306 (1865)

Ladoo, Raymond B.

23 Talc and soapstone; their mining, milling products, and uses. U S B M, B 213:133 pp, 23 figs, 15 pls (1923) (California 8, 9, 111-117, pl 15)

25 Talc. Min Ind, 33:675-680, California 677 (1925)... 34:661-666, California 664 (1926)

25a Nonmetallic minerals; occurrence, preparation utilization. 686 pp, 51 figs, McGraw-Hill Book Co, New York (1925)

27 Fluorspar; its mining, milling, and utilization, with a chapter on cryolite. U S B M, B 244:185 pp, 26 figs, California 136-137 (1927)

Lahmann, W. M.

24 Rontgenographische Untersuchungen an naturlichem und synthetischem Metacinnabarit. (Hg S) Zs Krist 60:379-413, 11 figs (1924) Min Absts 2:510-511 (1925)

Laizure, C. McK.

21 Redding Field Division (Part 1:493-501), Part 2: Del Norte, Humboldt, Lassen, Modoc, Shasta, Siskiyou, Tehama, Trinity counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 17: 502-503, 504-506, 507-511, 512-513, 514-528, 529-536, 537, 538-544 (1921)

22 Bibilography of limestone deposits in California. Cal St M Bur, Mining in California, State Mineralogist's Rp 18, no 12:751-754 (1922)

22a San Francisco field division (Contra Costa, Napa, San Benito, San Mateo, Tulare, Fresno, Madera, Merced, Santa Clara, Stanislaus, Glenn counties). Cal St M Bur, Mining in California, St Mineralogist's Rp 18:45-47, 101-103, 143-146, 263-264, 303-307, 519-538, 608-610 (1922)

23 San Francisco Field Division: Monterey, Mendocino counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 19:21-29, 60, 145-154, (1923)

23a Notes on peat and its occurrence in California. Cal St M Bur, Mining in California, St Mineralogist's Rp 19:103-107 (1923)

24 San Francisco Field Division: Napa, San Benito, Santa Clara, Tulare, Contra Costa, Lake, Mendocino, Alameda counties. Cal St M Bur, Mining in California, State Mineralogist's Rp 20:23-33, 84-87, 184-185 (1924)

25 San Francisco Field Division: Monterey, Merced, San Joaquin, Stanislaus, Del Norte, Humboldt, San Luis Obispo counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 21:23-57, 173-183, 184-200, 200-222, 281-324, 499-538 (1925)

26 San Francisco Field Division: Santa Cruz, San Benito, Marin, Sonoma counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 22:68-93, 217-247, 314-365 (1926)

27 San Francisco Field Division: Solano County. Cal St M Bur, Mining in California. St Mineralogist's Rp 23, no 2: 203-213 (1927)

27a San Francisco Field Division: Contra Costa, Solano counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 23:2-31, 203-213 (1927)

28 San Francisco Field Division: Madera County. Cal Dp Nat Res, Div Mines and Mining, Mining in California, State Mineralogist's Rp 24, no 4:317-345 (October, 1928)

28a San Francisco Field Division: Mariposa County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 24, no 3:72-153 (1928)

29 San Francisco Field Division. San Francisco County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:242-245 (1929)

29a San Francisco Field Division: Alameda County. Cal Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 25:427-456 (1929)

29b San Francisco Field Division: Fresno County. Cal Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 25:301-336 (1929)

Lake, F. W.

25 (and **Phelps,** R. W.) The Brea Olinda field in California. Oil World, 37:40-41 (May 8, 1925)

28 Storage and repressuring in Brea-Olinda. Oil Gas J 27, no 22:187, 343 (October 18, 1928) Oil Weekly 51, no 4:52, 54 (October 12, 1928) Petroleum World 13, no 10:56 (October, 1928) (*ann*) An Bib Ec G, 1:195 (1928)

Lake Valley Quicksilver Mining Co.

65 Reports by Profs. Spence, Silversmith, Engineer Widmann and H. Woodleaf of San Francisco, Cal., with Profs. Adelberg and Raymond's analysis and assay of the ores, 28 pp, New York (1865) (Pamphlet)

Lakes, Arthur (1844-1917).

94 The deep leads of California. Colliery Eng 14:170 (1894) M Sc Press 68:136 (1894)

95 Fossilized big trees, California. Sc Am Sup 39:15862 (1895)

99 Calaveras County mines (California). M Min, 20:198-200, 6 figs (1899)

99a California asphaltum. M Min 20:108-109, 4 figs (1899) (*abst*) Inst M Eng, Tr 18:499-500 (1900)

99b New Almaden mines of Santa Clara County, Cal. M Min 19:346-349, il (1899)

99c California gold mines. M Min, 19:444-446, 6 figs (1899)

99d Placer mining in California. M Min, 19:297-298, 2 figs (1899)

99e The Mother Lode of California. M Min, 19:248-250, 5 figs (1899) (*abst*) Eng Index 3:462 (1901)

99f Gold-bearing beach sands of California. M Min 19:369 (1899) (*abst*) Eng Index 3:460 (1901)

01 Oil fields of California. M Min, 21:467-470 (1901) (*abst*) G Zentralbl 2:745 (1902)... 9:535 (1907) (*abst*) Eng Index 4:838 (1906)

01a Petroleum in western North America. M Min 22:78-80 (1901) (*abst*) Eng Index 4:838 (1906) (*abst*) G Zentralbl 2:745 (1902)

03 Geologizing by the seaside. Illustrations of geological phenomena related to mining as shown in the sea cliffs and caves at La Jolla, near San Diego, Cal. M Min, 23:543-545, figs 1-6 (1903)

03a Illustrations shown at seacoast of manner of making and destruction of rocks by action of shellfish and erosion. M Min 24:12-14, figs (1903)

03b Mud-volcanoes; present-day illustrations of mud flows and formations resembling some older ones in which mineral deposits have been found. M Min 24:33, figs (1903)

11 Geology and topography of California oil fields. M Science, 63:471-472, 1 fig (1911)

Lambert, J.

09 Echinodermes. Rv crit Paleozool, J 13:122 (1909) 14:42-55 (1910)

Lambert, Walter D.

22 An investigation of the latitude of Ukiah, Calif., and of the motion of the pole. U S, Coast S, Special Pub 80: 109 pp (1922)

Landero, Carlos F. de.

23 Correlacion de las formaciones diatomiferas y los yacimientos de petroléo de alto California. Soc cient. "Antonio Alzate" Mem y Rev t 43, no 1-2:95-101 (January-February, 1924) Bol Petroléo, Mexico, 16, no 3:158-161 (September, 1923)... 19, no 3:139-142 (March, 1925)

Landero, Carlos F. de—Cont.

Landers, W. H.

15 New Almaden quicksilver mine. Eng M J 100:687 (1915)

16 Quicksilver mining in California. M Sc Press, 112:282-284 (1916) (*abst*) Eng Index 1916:308 (1916)

Landon, Robert E.

28 Römerite from California. Am Mineralogist 12:279-283, 2 figs (1927) Min Absts 3:456 (1928)

Lang, Herbert.

99 Copper resources of California. Eng M J 67:442, 470, 561-562, 619-620; 68:5, 247-248, 277 (1899)

07 The copper belt of California. Eng M J 84:909-913, 963-966, 1006-1010 (1907); 85:420-421 (1908) (*abst*) Eng Index 1908: 308 (1909)

16 Black sand of the Pacific coast. M Sc Press 113:811-813 (1916) G Zentrabl 27:352 (1922)

17 Secondary economic minerals of Calif. M Sc Press 114:334-336 (1917) (*abst*) Eng Index 1917:303 (1918)

19 A metallurgical journey to Shasta, California. M Sc Press 118:557-561, 812-818 (1919)

Lapham, Macy H.

02 (and **Heileman**, W. H.) Soil survey of the Lower Salinas Valley, Cal. U S Dp Agr, Bur Soils, 1901, Rp 3:481-519, pls 73-78, map 25 (1902)

02a (and **Heileman**, W. H.) Soil survey of the Hanford area, California. U S Dp Agr, Bur Soils, 1901, Rp 3:447-480, pls 69-72, 2 maps 22-23 (1902)

04 Soil survey of the San Jose area, California. U S Dp Agr, Bur Soils, 1903, Rp 5:1183-1127, map 72 (1904)

05 (with **Root**, Aldert S., **Mackie**, W. W.) Soil survey of the Sacramento area, California. U S Dp Agr, Bur Soils, Rp 6, 1904:1049-1087, map 49 (1905)

05a (**Jensen**, Charles A.) Soil survey of the Bakersfield area, California. U S Dp Agr, Bur Soils, Rp 6, 1904:1089-1114, maps 50-52 (1905)

07 (and **Mackie**, W. W.) Soil survey of the Stockton area, California. U S Dp Agr, Bur Soils, Rp 7, 1905:997-1031, 2 pls, map 45 (1907)

09 (with **Sweet**, A. T., **Strahorn**, A. T., and **Holmes**, L. C.) Soil survey of the Colusa area, California. U S Dp Agr, Bur Soils, Rp 9:927-972, maps 32-33 (1909)

09a (and **Holmes**, L. C.) Soil survey of the Redding area, California. U S Dp

Lapham, Macy H.—Cont.

Agr, Bur Soils, Rp 9:973-999, map 34 (1909)

13 Soils of the Pacific Coast Region. U S Dp Agr, Bur Soils, B 96:573-732, App A:734-736 (1913)

Lapham, Macy H. (inspector only).

19 (with **Watson,** E. B., **Dean,** W. C., **Zinn,** C. J., and **Pendleton,** R. L.) Soil survey of the Healdsburg area, California. U S Dp Agr, Bur Soils, Rp 17: 2199-2253, pls 50-54, map 59 (1919)

19a (with **Eckmann,** E. C., **Holmes,** L. C., **Guernsey,** J. E., and **Nelson,** J. W.) Reconnaissance soil survey of the lower San Joaquin Valley, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2583-2733, pls 73-75, map 65 (1919)

19b (with **Zinn,** C. J., and **Eckmann,** E. C.) Soil survey of the Pasadena area, California. U S Dp Agr, Bur Soils, Rp 17:2315-2366, pls 58-60, map 61 (1919)

19c (with **Guernsey,** J. E., **Koeber,** James, **Zinn,** C. J., and **Eckmann,** E. C.) Soil survey of the Honey Lake area, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2255-2314, pls 56-57 and pl. C, map 60 (1919)

19d (with **Watson,** E. B., **Strahorn,** A. T., **Dunn,** J. E., **Pendleton,** R. L., and **Nelson,** J. W.) Soil survey of the Riverside area, California. U S Dp Agr, Bur Soils, Rp 17:2367-2450, pls 61-64, map 62 (1919)

19e (with **Harrington,** G. L., **Holmes,** L. C., **Guernsey,** J. E., **Eckmann,** E. C., and **Zinn,** C. J.) Soil survey of the San Fernando Valley area, California. U S Dp Agr, Bur Soils, Rp 17:2451-2507, pls 65-68, map 63 (1919)

19f (with **Holmes,** L. C., and **Pendleton,** R. L.) Reconnaissance soil survey of the San Diego region, California. U S Dp Agr, Bur Soils, Rp 17:2509-2581, pls 69-72, map 64 (1919)

21 (with **Eckmann,** E. C., **Strahorn,** A. T., **Holmes,** L. C., and **Guernsey,** J. E.) Soil survey of the Anaheim area, California. U S Dp Agr, Bur Soils Rp 18: 2271-2345, pls 63-65, map 58 (1921)

21a (with **Nelson,** J. W., **Zinn,** C. J., **Strahorn,** A. T., **Watson,** E. B., and **Dunn,** J. E.) Soil survey of the Los Angeles area. U S Dp Agr, Bur Soils, Rp 18: 2347-2420, pls 66-68, map 59 (1921)

21b (with **Watson,** E. B., and **Smith,** Alfred) Soil survey of the Santa Maria area, California. U S Dp Agr, Bur Soils, Rp 18:2531-2574, pls 72-75, map 61 (1921)

21c (with **Holmes,** L. C., **Eckmann,** E. C., **Nelson,** J. W., **Guernsey,** J. E.) Reconnaissance soil survey of the middle San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 18:2421-2529, pls 69-71, map 60 (1921)

23 (with **Nelson,** J. W., **Dean,** W. C., **Kocher,** A. E., **Watson,** E. B., and **Carpenter,** E. J.) Soil survey of the Ventura area, California. U S Dp Agr, Bur Soils, Rp 19:2321-2403, pls 56-58, map 56 (1923)

23a (with **Dunn,** J. E., **Holmes,** L. C., **Strahorn,** A. T., **Guernsey,** J. E.,) Reconnaissance soil survey of the central southern area, California. U S Dp Agr, Bur Soils, Rp 19:2405-2534, pls 59-63, maps 57-58 (1923)

23b (with **Nelson,** J. W., **Dean,** W. C., **Eckmann,** E. C.) Reconnaissance soil survey of the upper San Joaquin Valley, California. U S Dp Agr, Bur Soils, Rp 19:2535-2644, pls 64-67, map 59 (1923)

24 (and **Dean,** Walter C.) Soil survey of Willits area, California. U S Dp Agr, Bur Soils, Rp 20:1725-1752, pls 34-35, map 46 (1924)

24a (with **Watson,** E. B., **Hammon,** J. B.) Soil survey of the Grass Valley area, California. U S Dp Agr, Bur Soils, Rp 20:1689-1724, pls 31-33, map 45 (1924)

24b (with **Strahorn,** A. T., **Watson,** E. B., **Kocher,** A. E., **Eckmann,** E. C., and **Hammon,** J. B.) Soil survey of the El Centro area, California. U S Dp Agr, Bur Soils, Rp 20:1633-1687, pls 27-30, maps 43-44 (1924)

Lapparent, A. de.

06 Le tremblement de terre de la Californie, d'apres le rapport préliminaire officiel. Ac Sc Paris, C R 143:18-20 (1906)

Larsen, Esper Signius.

14 (and **Hicks,** W. B.) Searlesite, a new mineral (San Bernardino Co., Cal.). Am J Sc (4) 38:437-440 (1914) (*abst*) Wash Ac Sc, J 4:397-398 (1914) (*abst*) Rv Geol et Sci conn 1:135 (1920) N Jb Ref 27-28 (1917)

17 Eakleite, a new mineral from California. Am J Sc (4) 43:464-465 (1917) Min Absts 1:206 (1921) (*abst*) Rv Geol et Sci conn 1:221 (1920)

17a Durdenite from California. Am Mineralogist 2:45-46 (1917) Min Absts 2:475 (1925)

17b Optical evidence that "hydrogiobertite" is a mixture. Am Mineralogist 2:3 (1917) Min Absts 1:261 (1922)

17c Massicot and litharge, the two modifications of lead monoxide. Am Mineralogist 2:18-19 (1917) Min Absts 1:120 (1921) (*abst*) Rv Geol et Sci conn 1:134-135 (1920)

17d (and **Steiger,** George) Mineralogical notes. Griffithite, a new member of the chlorite group. Wash Ac Sc, J 7:6-12 (1917) Min Absts 1:206 (1921)

Larsen, Esper Signius.—Cont.

20 (and **Shannon**, E. V.) Boussingaultite from South Mountain, near Santa Paula, Cal. Am Mineralogist 5:127-129 (1920) Min Absts 3:313 (1927)

21 The microscopic determination of nonopaque minerals. U S G S, B 679: 294 pp, 14 figs, 1 pl (1921)

21a (and **Foshag**, W. F.) Merwinite, a new calcium magnesium orthosilicate from Crestmore, Cal. Am Mineralogist, 6:143-148, 1 fig (1921) Min Absts 1:254 (1922)

22 (and **Hess**, Frank L.,) Contact-metamorphic tungsten deposits of the United States. U S G S, B 725:245-309, 10 figs, 4 pls (incl map), (1922) (*abst*) by R. W. Stone Wash Ac Sc, J 11:494 (1921) (*abst*) G Zentralbl 27:99-100 (1921)... 31:328-329 (1924) Rv Geol et Sci conn 3:67-68 (1922)

23 The identity of eakleite and xonotlite. Am Mineralogist 8:181-182 (1923)

28 (and **Steiger**, George) Dehydration and optical studies of alunogen, nontronite, and griffithite. Am J Sc (5) 15:1-19, 3 figs (1928) Min Absts 3:451 (1928)

Laudermilk, J. D.

29 (and **Woodford**, A. O.) Soda-anthophyllite asbestos from California. (Summary-statement) Pan Am G 51:371 (1929) (*abst*) G Soc Am B 41:153 (1930)

30 (and **Woodford**, Alfred Oswald) Soda-rich anthophyllite asbestos from Trinity County. Am Mineralogist 15:259-262 (1930)

Laughlin, Homer.

23 (and **Arnold**, Ralph, and **Kew**, William S. W.) Southern California earthquake of July 22, 1923. Seism Soc Am, B 13:105-106, 1 pl (1923)

Laur, P.

61 Observations sur l'origine et la distribution de l'or dans les divers terrains de la Californie. Ac Sc Paris, C R 53: 1096-1099 (1861)

63 Du gisement et de l'exploitation de l'or en Californie. An Mines (6) 3:347-435 (1863)

63a Terrains auriferes de la California. Rv des deux mondes 33 annee (second period):453-472 (1863)

Lawrie, H. N.

29 Gold and silver. Min Ind 37:238-276, California 248, 254-255 (1929)... 38:230-304, California 262-264 (1930)

Lawson, Andrew Cowper.

93 The Cordilleran Mesozoic revolution. J G 1:579-586 (1893)

93a The geology of Carmelo Bay. Cal Univ, Dp G, B 1:1-59, map (1893) (*abst*)

Lawson, Andrew Cowper—Cont.

Petermann's Mitt 1894 (Beil zum 40):119-120 (1894)

93b The post-Pliocene diastrophism of the coast of southern California. Cal Univ, Dp G, B 1:115-160 (1893) (*abst*) N Jb 1904, Band 1, Ref:108-110 (1904) (*abst*) M Sc Press 67:385 (1893)

94 The geomorphogeny of the coast of northern California. Cal Univ, Dp G, B 1:241-271 (1894) (*abst*) N Jb 1904, Band 1, Ref:110-111 (1904) (*abst*) Petermann's Mitt 1895 (Beil zum 41):120-121 (1895)... 1896 (Beil zum 42):128 (1896)

95 Sketch of the geology of the San Francisco Peninsula (Cal.). U S G S, An Rep 15:399-476 (1895) Petermann's Mitt 1898 (Beil zum 44):63-64 (1898)

95a A contribution to the geology of the coast ranges. Am G 15:342-356 (1895)

95b Report on work done in the region around the Bay of San Francisco. U S G S, An Rp 15:177-178 (1895)

97 The geology of San Francisco Peninsula (Cal.). J G 5:173-174 (1897)

00 Cordilleran section of the Geological Society of America (first annual meeting, San Francisco, Cal., December 29 and 30, (1899). Science (n s) 11:219-222 (1900)

01 Drainage features of California. (*abst*) G Soc Am, B 12:495 (1901) J G 9: 77-78 (1901) Am G 27:132 (1901) (*abst*) G Zentralbl 7:249 (1905)

01a Feldspar corundum rock from Plumas Co., Cal. (*abst*) G Soc Am, B 12: 501-502 (1901) J G 9:78 (1901) Am G 27:132 (1901) G Zentralbl 4:1 (1903)

02 Third annual meeting of the Cordilleran section of the Geological Society of America. Science (n s) 15:410-417 (1902)

02a (and **Palache**, C.) The Berkeley Hills, a detail of Coast Range geology. Cal Univ, Dp G, B 2:349-450, map (1902) (*abst*) G Zentralbl 5:159-160 (1904) (*abst*) Petermann's Mitt 1903 (Beil zum 49):68 (1903)

03 Geological section of the middle Coast Ranges of California. (*abst*) G Soc Am, B 13: 544-545 (1903) Science (n s) 15:415 (1902) G Zentralbl 9:568 (1907)

03a Plumasite, an oligoclase corundum rock, near Spanish Peak, Cal. Cal Univ, Dp G, B 3:219-229 (1903) (*abst*) G Zentralbl 9:514 (1907)

04 The orbicular gabbro at Dehesa, San Diego Co., Cal. Cal Univ, Dp G, B 3:383-396 (1904) (*abst*) Science (n s) 15:415 (1902)

04a The geomorphogeny of the upper Kern Basin. Cal Univ, Dp G, B 3:291-376 (1904) G Zentralbl 9:513, 514 (1907)

05 The relation of geology to the mining industry. M Sc Press 91:395 (1905)

Lawson, Andrew Cowper—Cont.

06 The geomorphic features of the middle Kern (Cal.). Cal Univ, Dp G, B 4:397-409 (1906)

06a The geomorphogeny of the Tehachapi Valley system (Cal.). Cal Univ, Dp G, B 4:431-462 (1906) (*abst*) G Soc Am, B 17:729 (1907)

06b Preliminary report of the (California) State Earthquake Investigation Commission. 20 pp (1906), Reprinted in M Sc Press 92:399-401 (1906) Science (n s) 23:961-967 (1906) Sc Am Sup 61: 25482-25484 (1906) Nature 74:285-286 (1906) Scottish Geog Mag 22:423-430 (1906) Am Geog Soc, B 38:495-501 (1906)

08 (with **Branner**, J. C., **Gilbert**, G. K., **Reid**, H. F., and others) The California earthquake of April 18, 1906. Report of the State Earthquake Investigation Commission. Carnegie Inst, Wash, Pub 87, 1, pt 1:18, 254 pp, pt 2:255-451; atlas, 25 maps and seismograms (1908) (*abst*) G Zentralbl 15:519 (1911)

09 The California earthquake of 1906. (Review) Nature 80:10-11 (1909)

11 Seismology in the United States. Seism Soc Am, B 1:1-4 (1911)

12 Report on the geology and underground water supply of Livermore Valley (Cal). *In* The future water supply of San Francisco; a report ... by the Spring Valley Water Company:223-230, San Francisco, Cal (1912) G Zentralbl 27: 254 (1922)

12a The recent fault scarps at Genoa, Nevada. Seism Soc Am 2:193-200, 2 pls, 1 fig (1912)

13 The petrographic designation of alluvial-fan formations. Cal Univ, Dp G, B 7, no 15:325-334 (1913)

14 Quicksilver. U S G S, G Atlas, San Francisco folio (no 193):22 (1914)

14a Description of the San Francisco district; Tamalpais, San Francisco, Concord, San Mateo and Hayward quadrangles. U S G S, G Atlas San Francisco fol (no 193): 24 pp, maps (1914)

14b (with **Merriam**, John Campbell, and others) Geology of Concord quadrangle. U S G S, G Atlas San Francisco fol no 193:24 pp, 1 sheet of il, 15 maps (1914)

15 The epigene profiles of the desert. Cal Univ, Dp G, B 9:23-48 (1915) (*abst*) G Soc Am, B 26:391 (1915)

21 The mobility of the Coast Ranges of California, an exploitation of the elastic rebound theory. Cal Univ, Dp G, B 12: 431-473, 19 figs (1921) (*abst*) G Soc Am B 32:45 (1921) Rv Geol et Sci conn 2:486 (1921)

21a The Sierra Nevada. Cal Univ Chronicle 23:130-149 (1921)

21b Report on geology of Iron Canyon (Sacramento River, California). *In* Report on Iron Canyon Project, California, by Homer J. Gault and W. F. McClure: U. S. Reclamation Service in cooperation with the State of California and the Iron Canyon Project Association, pp 71-76, Washington, Government Printing Office (1921)

21c Geology of Yosemite National Park. *In* Handbook of Yosemite National Park, compiled and edited by Ansel F. Hall. 97-122 (1921)

22 The prediction of earthquakes. Cal Univ Chronicle 24, no 31:315-336 (1922)

24 The continental shelf of the coast of California. Nat Research Council, Bull, 8, pt 2, no 44, 23 pp 1 fig (April, 1924)

26 The Cordilleran shield. Third Pacific Science Congress, Tokyo: 371-388 pp (1926)

30 The classification and correlation of the pre-Cambrian rocks. Cal Univ, Dp G, B 19:275-293 (1930)

Lawson, C. C.

24 (and **Schairer**, J. F.) Copiapite from the Santa Maria Mountains eastern Riverside County, Cal. Am Mineralogist, 9:242-244 (1924) Min Absts 3:214 (1926)

Lawton, Israel.

86 Precious metals in California. *In* James P. Kimball, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar year 1885:124-133 (1886)... 1886:148-176 (1887)... 1887:143-148 (1888)... 1888:92-94 (1889)

Lawver, A. M.

82 Review of mining in California. *In* H. C. Burchard, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1881:11-117 (1882)

LeConte, John Lawrence (1825-1883).

51 (Observations on the geology of California and adjacent regions.) Ac N Sc, Phila, Pr 5:264-265 (1851)

55 Account of some volcanic springs in the Desert of the Colorado in southern California. Am J Sc (2) 19, no 55:1-16 (1855)

Le Conte, Joseph (1823-1901).

73 On some of the ancient glaciers of the Sierras. Cal Ac Sc, Pr 4:259-262 (1873)... 6:38-48 (1876) Am J Sc (3) 5:325-342, map (1873)... 10:126-139 (1875)

73a On the great lava flood of the west; and on the structure and age of the Cascade Mountains. Cal Ac Sc, Pr 5:214-

Le Conte, Joseph—Cont.

220 (1873) Am J Sc (3) 7:167-180, 259-267 (1874)

75 A journal of ramblings through the High Sierra of California by the "University Excursion Party." 103 pp, 9 il (1875). Sierra Club B 3:1-107 (1900). Published by the Sierra Club (1930)

76 On the evidences of horizontal crushing in the formation of the Coast Range of California. Am J Sc (3) 11:297-304 (1876) (*abst*) G Rec 1876:136-137 (1878)

77 Hog wallows or prairie mounds (of California and Oregon). Nature 15:530-531 (1877)

77a On the critical periods of the earth and their relation to evolution; on the Quaternary as such a period. Am Nat, 11:540-557 Kansas City Review, 1:477-483, 522-530, Am J Sc (3) 14:99-114 (1877)

78 On the structure and origin of mountains, with special reference to recent objections to the contraction theory. Am J Sc (3) 16:95-112 (1878)

79 On the extinct volcanoes about Lake Mono and their relation to the glacial drift. Am J Sc (3) 18:35-44 (1879)

79a Extinct western volcanoes. Science News 1:200-202 (1879)

80 The old river beds of California. Am J Sc (3) 19:176-190 (1880)

81 Geology of California. *In* Phelps, A Contemporary Biography, 1:290 (1881)

82 (and **Rising,** W. B.) The phenomena of metalliferous vein formation now in progress at Sulphur Bank, Cal. Am J Sc (3) 24:23-33 (1882) (*abst*) Eng M J 34:109-110 (1882)

82a Origin of jointed structure in undisturbed clay and marl deposits. Am J Sc (3) 23:233-234 (1882)

83 On mineral vein formation now in progress at Steamboat Springs compared with the same at Sulphur Bank. Am J Sc (3) 25:424-428 (1883)

83a Genesis of metalliferous veins. Am J Sc (3) 26:1-19 (1883) M Sc Press 46:150 (1883)

86 A post Tertiary elevation of the Sierra Nevada shown by the river beds. Am J Sc (3) 32:167-181 (1886) (*abst*) Petermann's Mitt 1887 (Beil zum 33):11 (1887)

87 The flora of the coast islands of California in relation to recent changes of physical geography. Cal Ac Sc, B 2:515-520 (1887) Am G 1:76-81 (1888) Am J Sc (3) 34:457-460 (1887)

89 On the origin of normal faults and of the structure of the Basin region. Am J Sc (3) 38:257-263 (1889) (*abst*) Petermann's Mitt 1890 (Beil zum 36):61 (1890)

91 Tertiary and post-Tertiary changes of the Atlantic and Pacific coasts, with a note on the mutual relations of land elevation and ice accumulation during the Quaternary period. G Soc Am, B 2:323-330 (1891) (*abst*) Am Nat, 25:482-483 (1891)

93 Theories of the origin of mountain ranges. J G 1:543-573 (1893) Am As, Pr 42:1-27 (1894) (*abst*) Science 22:105 (1893) Nature 48:551-554 (1893)

95 Critical periods in the history of the earth. Cal Univ, Dp G, B 1:313-336 (1895) (*abst*) J G 3:869-870 (1895)

98 The origin of transverse mountain valleys and some glacial phenomena in those of the Sierra Nevada. (Cal.) Univ Chronicle 1:479-497, figs 1-14 (1898) (*abst*) Petermann's Mitt 1900 (Beil zum 46):66 (1900)

99 The Ozarkian and its significance in theoretical geology. J G 7:525-544 (1899)

00 Journal of ramblings in the high Sierra. Sierra Club B 3:1-107 (1900)

00a Lecture on salt and alkaline lakes, *In* Ramblings through the High Sierra. Sierra Club B 3:71-74 (1900)

00b Lecture on glaciers and the glacial phenomena of the Sierra. (*abst*) *In* Ramblings through the High Sierra. Sierra Club B 3:57-64 (1900)

Le Conte, Joseph N.

03 Table of elevation of peaks in the Sierra Nevada Mountains over 12,000 feet above sea level. Sierra Club B 4:285-291 (1903)

03a Among the sources of the South Fork of King's River. Sierra Club B 4:177-184, 253-263, 2 pls (1903)

05 The evolution group of peaks. Sierra Club B 5:229-237 (1905)

07 The High Sierra of California. Alpina Americana no 1:16 pp, map (pub by the American Alpine Club, Phila (1907) (*abst*) Nat Geog Soc Mag 18:213-214 (1907)

Lee, Bourke.

30 Death Valley (geology, 185-206). 210 pp. illus. New York, Macmillan Co. 1930

Lee, Charles H.

12 Subterranean storage of flood waters by artificial methods in San Bernardino Valley, Cal. Conservation Commission of California Rp for 1912:335-400, 3 pls, Sacramento, Cal. (1912)

12a An intensive study of the water resources of a part of Owens Valley, Cal. U S G S, W-S P 294:135 pp (1912)

13 Ground-water resources of Indian Wells Valley, California. Cal St Conservation Comm Rp, pp 401-429 (1912)

13a Use and conservation of the underground reservoirs of California. Western Eng 3:189-194 (1913)

Lee, Charles H.—Cont.

15 The determination of safe yield of underground reservoirs of the closed basin type. Am Soc Civil Eng, Tr 78: 181-196 (1915)

19 (and **Ellis,** A. J.) Geology and ground waters of the western part of San Diego County, Cal. U S G S, W-S P 446:321 pp, 47 pls (1919) (*abst*) Rv Geol et Sci conn 3:334-335 (1922)

Lee, Willis Thomas.

05 Note on the glacier of Mount Lyell, Cal. J G 13: 358-362 (1905)

06 Geology of the lower Colorado River. G Soc Am, B 17:275-284, California 276 (1906) (*abst*) G. Zentralbl 10:217 (1908)

06a Geology and water resources of Owens Valley, Cal. U S G S, W-S P 181:28 pp, 6 pls (1906) (*abst*) G Zentralbl 11:76 (1908)

08 Geologic reconnaissance of a part of western Arizona. U S G S, B 352:96 pp (1908)

15 (and others) Guidebook of the western United States; Part B, The Overland Route, with a side trip to Yellowstone Park. U S G S, B 612:244 pp, maps (1915) (*abst*) by F. L. Ransome, Wash Ac Sc, J 5:580 (1915) G Zentralbl 27:113 (1921)

Leech, Edward O.

90 Report of the U. S. Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1889:296 pp (1890)... 1890:278 pp (1891)... 1891:321 pp (1892)... 1892:260 pp (1893)

Legraye, Michel.

23 Note sur un cas de solifluxion observé dans les Coast Ranges de Californie. Am Soc G Belgique, B, Band 46: 150-152 (1923) (*abst*) G Zentralbl 31:616 (1925)

24 Note sur les gisementes de petrole de Californie. Rv Univ Mines (7) 4:149-155 (1924) (The petroleum deposits of California)

Leiberg, John B.

99 The San Gabriel Forest Reserve, California. U S G S, An Rp 20, pt 5:411-428 (1899)

99a The San Bernardino Forest Reserve. U S G S, An Rp 20, pt 5:429-454 (1899)

02 Forest conditions in the northern Sierra Nevada, California. U S G S, P P 8:194 pp, 12 pls (1902)

Leicht, F von.

99 Cinnabar in San Luis Obispo Co., Cal. M Sc Press 99:482 (1899)

Leidy, Joseph (1823-1891).

65 (On bones and teeth of horses from California and Oregon.) Ac N Sc, Phila, Pr 1865:94 (1865)

67 (On a skull of *Bison antiquus* from California.) Ac N Sc, Phila, Pr 1867:85 (1867)

68 Indication of an *Elotherium* in California. Ac N Sc, Phila, Pr 1868:177 (1868)

69 On the extinct Mammalia of Dakota and Nebraska ... together with a synopsis of the mammalian remains of North America. Ac N Sc, Phila, J (2) 7:23-472, il (1869)

70 Notes on the American mastodon and other fossils. Ac N Sc, Phila, Pr 1870:96-99; Am J Sc (3) 1:63-65 (1870)

70a (Remarks on vertebrate fossils from Table Mountain, Tuolumne Co., Cal.) Ac N Sc, Phila, Pr 1870:125-127 (1870)

71 (On mammalian fossils from California). Ac N Sc, Phila, Pr 1871:50 (1871)

71a Remarks on mastodon, etc., of California. Ac N Sc, Phila, Pr 1871:198-199 (1871)

73 Remarks on extinct mammals from California. Ac N Sc, Phila, Pr 1873:259-260 (1873) (*abst*) G Rec 1875:285 (1877)

80 Notes on Pleistocene mammals in California. *In* Whitney, J. D., "Auriferous gravels of the Sierra Nevada of California," Harvard Coll, Mus C Z, Mem 6: 256-258 (1880) (Another edition) Whitney, J. D., "Contribution to American Geology," 1:256-258 (1880)

Leighton, T. R.

24 Borax. Min Ind, 32:86-89, California 87 (1924)... 33:96-99, California 96, 97 (1925)

Leith, C. K.

06 Iron ores of the western United States and British Columbia. U S G S, B 285:194-200 California 198 (1906)

09 (and **Van Hise,** C. R.) Pre-Cambrian geology of North America. U S G S, B 360:939 pp, maps, California:46, 867-874 (1909)

21 Economic aspects of geology. 457 pp, 13 figs. Henry Holt & Co., New York (1921)

Le Lacheur, E. A.

28 Tidal bench marks, State of California. U S Coast and Geodetic Survey Special Pub 141:62 pp (1928)

Leonard, Arthur Gray.

25 The contest between land and sea near San Diego, Cal. N Dak Univ Quart J 15:135-140, 2 figs, 2 pls (1925)

Leriche, M.

08 Observations sur les Squales Néogenes de la California. Soc G Nord An 37: 302–306 (1908)

Lesher, C. E.

16 Coal. U S G S, Min Res, Calendar Year 1914: 587-746, California 596, 600, 606, 613, 621-622, 624, 629, 663-665 (1916)... 1915:345-513, California 355, 357, 359, 362, 367, 378, 383-384, 439, 471 (1917)... 1916: 901-991, California 904-906, 908, 910, 935 (1919)... 1917: 903-1049, 1203-1259, California 921, 923, 948, 953, 958, 967, 1206, 1244 (1920)... 1918:695-813, 1315-1392, California 708, 710, 731, 734, 741, 1317, 1391-1392 (1921)

20 Fuel briquetting. U S G S, Min Res, Calendar Year 1917:1-3, California 2-3 (1920)... 1918:1-3, California 2-3 (1921)

Lesley, J. P.

57 (and **Hall,** James) Map illustrating the general geological features of the country west of the Mississippi River (1857)

Lesley, Robert W.

06 Cement. Min Ind, 14:64-70, California 66 (1906)... 16:157-170, California 163 (1908) ... 22:72-81, California 74, 75 (1914)... 23:83-91, California 85, 86 (1915)... 24:71-81, California 73, 74 (1916)... 26:78-87, California 80, 81 (1918)... 27:76-86, California 78 (1919)... 28:65-76, California 66, 67 (1920)... 29:74-87, California 77, 78, 79 (1921)... 30: 82-92, California 84, 85 (1922)... 31:88-97, California 90, 91 (1923)... 32:96-108, California 98, 99, 101 (1924)... 33:104-118, California 107, 108, 109 (1925)... 34:111-123, California 113, 114 (1926)

Lesquereux, Leo (1806-1889).

78 Report on the fossil plants of the auriferous gravel deposits of the Sierra Nevada. Harvard Coll, Mus C Z, Mem 6, no 2:62 pp, il (1878) Also in Contributions to American geology, 2 (*abst*) G Rec 1878:375 (1882) Am J Sc (3) 15:319, 396 (1878)

78a Contributions to the fossil flora of the Western Territories; Part 2, The Tertiary flora. U S G Geog S Terr (Hayden) Rp 7:xv, 366 pp, il (1878) (*abst*) G Rec 1878:375 (1882)

82 On the Tertiary flora as related to the Tertiary animals of the West. Am Nat 16:602 (1882)

82a Remarks on the Cretaceous and Tertiary flora of the Western Territories. Am Nat 16:102-108 (1882), (California, 106-107)

83 Contributions to the fossil flora of the western territories. Part 3, Cretaceous and Tertiary floras. U S G Geog, S Terr (Hayden), Rp 8:xii, 283 pp, il (1883)

83a Species of plants from the chalk bluffs of California. U S G Geog S Terr (Hayden), 8:265 (1883)

88 Recent determinations of fossil plants from Kentucky, Louisiana, Oregon, California, Alaska, Greenland, etc., with descriptions of new species (compiled by F. H. Knowlton). U S Nat Mus, Pr 11: 11-38, il (1888)

Lester, John Erastus.

73 The Yosemite: its history, its scenery, its development. 40 pp (1873)

Lestrange, C. M.

10 Gem districts of San Diego County, Cal. M Science, 61:469 (1910)

Leuschner, A. O.

98 The earthquakes of March 30 and April 14 (1898). (Cal) Univ Chronicle 1: 169-175 (1898)

06 The (San Francisco) earthquake. M Sc Press 92:274 (1906) Reprinted in After earthquake and fire: 41-44, San Francisco (1906)

Leverett, Frank.

03 Summary of the literature of North American Pleistocene geology, 1901-1902. J G 11:420-428, 498-515, 587-611 (1903)

17 Glacial formations in the western United States. (*abst* with discussion by G. F. Wright). G Soc Am, B 28:143-144 (1917)

Lewis, Henry Carvill.

83 On the antiquity of man in America. Ac N Sc, Phila, Pr 1882:292-293 (1883)

Lewis, J. Volney.

20 Abrasives. Min Ind, 28:1-10, California 5, 6 (1920)... 30:1-6, California 1 (1922)

Leyst, E.

06 Uber das Erdbeben von San Francisco nach den Aufzeichnungen der Seismographen in Moskau. Soc Imp Nat Moscou, B (2) 20:185-190 (1906)

Li, K. C.

17 Antimony. Min Ind, 25:48-59, California 50 (1917)

Liebenam, W. A.

07 Kupfervorkommen in Kalifornien und ihre wirtschaftliche Bedeutung. Zs Berg-, Hütten u Salinen-Wesen 55:522-546 (1907) (*abst*) G Zentralbl 11:250 (1908)

Lindgren, Waldemar.

87 The silver mines of Calico, Cal. Am I M Eng, Tr 15:717-734, map (1887)

88 Contributions to the mineralogy of the Pacific coast. Cal Ac Sc, Pr (2) 1:1-6 (1888)

90 (with **Melville,** W. H.) Contributions to the mineralogy of the Pacific Coast. U S G S, B 61:40 pp (1890) (*abst*) Fed Inst M Eng, Tr 3:1083 (1892)

92 The gold deposit at Pine Hill, Cal. Am J Sc (3) 44:92-96 (1892)

92a The glacial period; a discussion of Mr. Manson's theory. M Sc Press 64:94 (1892)

93 Two Neocene rivers of California. G Soc Am, B 4:257-298, map (1893) (*abst*) Petermann's Mitt 1894 (Beil zum 40):119 (1894)

93a The auriferous veins of Meadow Lake, Cal. Am J Sc (3) 46:201-206 (1893) M Sc Press 68:118 (1894)

94 An auriferous conglomerate of Jurassic age from the Sierra Nevada. Am J Sc (3) 48:275-280 (1894)

94a The gold-silver veins of Ophir, Cal. U S G S, An Rp 14, pt 2:243-284, map (1894) (*abst*) M Sc Press 71:216, 233 (1895) J G 4:373-374 (1896) Nature 53:466 (1896)

94b (and **Turner,** H. W.) Description of the gold belt (Cal.); description of the Placerville sheet. U S G S, G Atlas Placerville fol (no 3): 3 pp, maps (1894) reprint (1914) (*abst*) J G 4:248-250 (1896)

95 (and **Turner,** H. W.) Description of the Marysville sheet (Cal.). U S G S, G Atlas Marysville fol (no 17): 2 pp, maps (1895) (*abst*) J G 3:976-977 (1895)

95a (and **Turner,** H. W.) Description of the gold belt; description of the Smartsville sheet (Cal.). U S G S, G Atlas Smartsville fol (no 18): 6 pp, maps (1895)

95b Characteristic features of California gold quartz veins. G Soc Am, B 6:221-240, map (1895) M Sc Press 70: 181-182, 213-214, 244 (1895) (*abst*) Science (n s) 1:68 (1895) Zs Prak G 3:423-426 (1895)

96 Description of the gold belt; description of the Pyramid Peak quadrangle (Cal.). U S G S, G Atlas Pyramid Peak fol (no 31): 8 pp, maps (1896)

96a The gold-quartz veins of Nevada City and Grass Valley districts, Cal. U S G S, An Rp 17, pt 2:1-262 (1896) (*Review*) Inst M Eng, Tr 14:667-668 (1897-1898) (*abst*) Zs Prak G 7:210-213 (1899)

96b Description of the (Nevada City, Cal.); special maps. U S G S, G Atlas Nevada City fol (no 29): 7 pp, maps (1896) (*abst*) J G 5:409-411 (1897)

96c The age of the auriferous gravels of the Sierra Nevada; with a report on the flora of Independence Hill. by F. H. Knowlton. J G 4:881-906 (1896) (*abst*) Zs Prak G 1897:226-227.

96d The gold quartz veins of California. Am G 17:338-339 (1896)

96e Description of the gold belt; description of the Sacramento sheet (Cal.). U S G S, G Atlas Sacramento fol (no 5): 3 pp, maps (1894), reprinted 1914; prel ed (1892) (*abst*) J G 4:250-251 (1896)

97 Description of the gold belt; description of the Truckee quadrangle (Cal.). U S G S, G Atlas Truckee fol (no 39): 8 pp, maps (1897)

97a The granitic rocks of the Pyramid Peak district, Sierra Nevada, Cal. Am J Sc (4) 3:301-314, map (1897)

97b The granitic rocks of the Sierra Nevada. (*abst*) Science (n s) 5:361 (1897)

98 The primary gold deposits of the Sierra Nevada. M Sc Press 76:258-259 (1898) Eng J 2:3-12 (1898)

00 Description of the Colfax quadrangle (Cal.). U S G S, G Atlas Colfax fol (no 66):10 pp, maps (1900)

00a The gold quartz veins of California. *In* his metasomatic processes in fissure-veins Am I M Eng, Tr 30:665-668 (1900) Zs Prak G 10:95-97 (1902)

02 The gold production of North America, its geological derivation and probable future. M Sc Press 85:177, 193, 206 (1902)

02a The character and genesis of certain contact-deposits. Am I M Eng, Tr 31:226-244 (1902) (*abst*) Zs Prak G 10:232-234, California 233 (1902)

03 Neocene rivers of the Sierra Nevada. U S G S, B 213:64-65 (1903) (*abst*) G Zentralbl 9:568 (1907)

03a The gold production of North America. its geological derivation and probable future. Int M Cong, 5th Pr:29-36 (1903)

03b The geological features of the gold production of North America (with discussion by W. G. Miller, W. L. Austin, J. E. Spurr and H. W. Turner). Am I M Eng, Tr 33:790-845, 1077-1083 (1903); 34:921 (1904) Reprinted *in* Emmons, S. F., Ore deposits (pub by Am I M Eng): 424-449, N Y (1913)

05 The production of gold in the United States in 1904. U S G S, B 260:32-38 (1905)

05a The production of silver in the United States in 1904. U S G S, B 260: 39-44 (1905)

05b Gold and silver. U S G S, Min Res, Calendar Year 1904:141-155, California 143-144, 149-155 (1905)... 1905:113-127, California 113-115, 117-118, 120-126 (1906)... 1906:111-134, California 113, 116-117, 119-121, 125-133 (1907)

Lindgren, Waldemar—Cont.

06 Metasomatic processes in the gold deposits of Western Australia. Ec G, 1: 530-544 (1906)

07 The development of the metal mining industries in the Western States. Am M Cong, 9th An Sess, Rp Pr: 156-165 (1907)

08 A geological analysis of the silver production of the United States in 1906. U S G S, B 340:23-35 (1908)

08a (and **McCaskey**, H. D.) Gold and silver. U S G S, Min Res, Calendar Year 1907:111-135, California 111-113, 118-120, 127-135 (1908)... 1908:157-183, California 157-159, 166-168, 175, 177-183 (1909)

09 Resources of the United States in gold, silver, copper, lead and zinc. U S G S, B 394:114-156 (1909) Nat Conservation Comm (60th Cong, 2d Sess, Sen Doc no 676,) Rp 3:521-557 (1909)

11 Platinum. U S G S, Min Res, Calendar Year 1909:595-601, California 595, 597 (1911)... 1910:773-780, California 773 (1910)... 1911:987-1003, California 987, 995-997 (1912)

11a The Tertiary gravels of the Sierra Nevada of California. U S G S, P P 73: 226 pp, maps (1911) (*abst*) Wash Ac Sc, J 2:191-193 (1912) G Zentralbl 19:133-134 (1913)

12 The mining districts of the western United States. U S G S, B 507:5-43, California 17-20 (1912)

13 Mineral deposits. 15, 883 pp, N Y (1913) 2 ed, 18, 957 pp, N Y (1919) 3 ed 20, 1049 pp. N Y (1928)

14 (and **Turner**, H. W.) Reprints from Placerville, Sacramento and Jackson folios (Cal.). (Nos 3, 5, and 11):9 pp, maps, U S G S (1914)

15 The igneous geology of the Cordilleras and its problems. *In* Problems of American geology: 234-286, Yale University Press, New Haven (1915) G Zentralbl 27:303 (1922)

16 Gold and silver deposits in North and South America. Pan Am Sc Cong, 2d, Washington. Pr sec 7 vol 8:560-577 (1917) Am I M Eng, B 112:721-746, maps (1916); Tr 55:883-909, maps (1917) Smiths Inst, An Rp 1917:147-173 (1919) (*abst*) G Zentralbl 25:341 (1920)

17 Gold and silver deposits in North and South America. Am I M Eng 55:883-909 (1917) Smiths Inst, An Rp 1917:147-173 (1919)

Lines, Edwin F.

04 (with **Fuller**, Myron Leslie, and **Veatch**, A. C.) Record of deep well drilling for 1904. U S G S, B 264:106 pp, California 42-43, 78-79 (1905)

05 Well records. U S G S, B 264: 41-106, California 42-43 (1905)

Linsley, E. G.

09 (and **Holway**, Ruliff S.) A syllabus for the study of the physiographic provinces of California. Cal Phys Geog Club, B 2, no 2:11-20 (1909)

Linton, Robert.

28 Tertiary clays of southern California. Am Ceramic Soc, J 11:771-781 (1928), (*ann*) An Bib Ec G 1:119 (1928)

Lippincott, Joseph Barlow.

99 Water supply of San Bernardino Valley. U S G S, An Rp 19, pt 4:540-632 (1899)

02 Storage of water on Kings River, California. U S G S, W-S P 58:99 pp, 32 pls (1902) (Noticed) Am Geog Soc, B 34:431 (1902)

02a Development and application of water near San Bernardino, Colton and Riverside, California. Part 1 U S G S, W-S P 59:1-95, pls 1-11, 14 figs (1902) Part 2... 60:101-141 (1902) (Noticed) Am Geog Soc, B 34:431 (1902)

02b Manufacture of Portland cement in southern California. U S G S, W-S P 60:135-137 (1902)

03 California hydrography. U S G S, W-S P 81:488 pp, 1 pl (1903)

05 Water problems of Santa Barbara, California. U S G S, W-S P 116:99 pp, 8 pls (1905)

Lloyd, E. Russell.

21 Petroleum. U S G S, Min Res, Calendar Year 1918:969-1169, California 971, 973-982, 984, 1126-1127, 1142 (1921)

Lobley, J. Logan.

94 The origin of the gold of quartz veins. M Sc Press 69:120 (1894)

Locke, Augustus.

12 Tuolumne Table Mountain (near Jamestown, Cal.). M Sc Press 105:85 (1912)

Loel, Wayne.

18 Vaqueros formation in California (*abst*). G Soc Am, B 29:165 (1918)

22 (and **Arnold**, Ralph) New oil fields of the Los Angeles Basin, California. Am As Petroleum G, B 6:303-316, 2 figs (1922) Oil Eng and Fin 3:255-259 (1923) Petroleum Times 9:766 (1923) (*abst*) M Metal 4:229-230 (1923)

Loew, Oscar.

76 Report on the geological and mineralogical character of southeastern California and adjacent regions. *In* Wheeler, G. M., Annual report ... surveys west of the 100th meridian...: 173-188 (1876) Also in U S (War Dp), Chief Eng, An

Loew, Oscar—Cont.

Rp 1876 (U S 44th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App JJ:393-408 (1876)

76a Report on the physical and agricultural features of southern California and especially of the Mojave Desert. *In* Wheeler, G. M., Annual Report ... surveys west of the 100th meridian...: 214-222 (1876) Also in U S (War Dp), Chief Eng, An Rp 1876 (U S 44th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App JJ:434-442 (1876)

76b Report on the alkaline lakes, thermal springs, mineral springs, and brackish waters of southern California and adjacent country. *In* Wheeler, G. M., Annual Report ... surveys west of the 100th meridian...: 188-199 (1876) Also in U S (War Dp), Chief Eng, An Rp 1876 (U S 44th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App JJ:408-419 (1876)

76c Lieutenant Wheeler's Expedition durch das südliche Californien im Jahre 1875. Petermanns Mitt 22:327-340, 410-427, map (1876); 23:134-140 (1877)

Logan, C. A.

18 (and others) Manganese and chromium in California. Cal St M Bur, B 76: 248 pp, 51 figs, 5 pls (1918) (*abst*) Eng Index 1919:293 (1920)

19 Platinum and allied metals in California. Cal St M Bur 85:120 pp, 4 pls (incl maps), 10 figs (1919)

19a San Luis Obispo Co., Cal. Cal St M Bur, St Mineralogist's Rp 15:674-726 (1919) issued as separate under title Mines and Mineral Resources of the counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura (1916) (*abst*) Eng Index 1918:325 (1919)

19b (and **Bradley**, W. W.) San Benito County, Cal. Cal St M Bur, St. Mineralogist's Rp 15:616-673 (1919) issued as separate under title Mines and Mineral Resources of the counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura.

20 (and others) The clay industry in California. Cal St M Bur, Preliminary Rp 7:102 pp, 24 il (1920)

21 Auburn Field Division: Alpine, Amador, Butte, Calaveras, El Dorado, Nevada, Placer, Plumas, Sierra, Tuolumne, Yuba counties. Cal St M Bur, St. Mineralogist's Rp 17:399-405, 406-414, 415-418, 419-424, 425-433, 434-440, 441-454, 455-473, 474-478, 479-489, 490. (Introduction: 393-396), (1921)

22 Notes on the West Point District, Calaveras County. Cal S M Bur, St Mineralogist's Rp 18:15-21 (1922)

22a Auburn Field Division: El Dorado, Nevada, Placer, Calaveras, Tuolumne, Butte, Amador, Alpine, Sierra, Plumas, Yuba counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 18: 44-45, 97-101, 208-211, 258-263, 298-302, 355-363, 499-519, 602-608, 736-740 (1922)

23 Auburn Field Division: Amador, Nevada, Placer, El Dorado, Calaveras, Tuolumne counties: Cal St M Bur, Mining in California, St Mineralogist's Rp 19:13-21, 59-60, 94-97, 140-145 (1923)

24 Sacramento Field Division: Amador, Nevada, Plumas, Shasta, Sierra, Tuolumne, Mono, Placer, Sacramento, Yuba, Calaveras, El Dorado counties. Cal St M Bur, St Mineralogist's Rp 20:1-23, 73-84, 177-183, 355-367 (1924)

25 Ancient channels of the Duncan Canyon region, Placer Co., Cal. Cal St M Bur, Mining in California, St Mineralogist's Rp 21:275-280, 1 map (1925)

25a Sacramento Field Division: Sacramento, Calaveras, Placer, Siskiyou counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 21:1-22, 135-172, 275-280, 413-498 (1925)

26 Sacramento Field Division: El Dorado Co., Cal. Cal St M Bur, Mining in California, St. Mineralogist's Rp 22, no 4:397-452 (1926)

26a Sacramento Field Division: Trinity, Shasta, El Dorado counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 22:1-67, 121-216, 313-452 (1926)

26b Copper mining in California. M Cong J 12:631, 632, 639 (1925)

26c Sacramento Field Division: Shasta Co., Cal. Cal St M Bur, Mining in California, St Mineralogist's Rp 22, no 2:121-216 (1926)

26d Sacramento Field Division: Trinity Co., Cal. Cal St M Bur, Mining in California, St. Mineralogist's Rp 22, no 1:1-67 (1926)

27 Sacramento Field Division: Amador, Placer counties, Cal. Cal St M Bur, Mining in California, St Mineralogist's Rp 23:1, 131-202, 235-286, 373 (1927)

27a Sacramento Field Division: Amador Co., Cal. Cal St M Bur, Mining in California, St. Mineralogist's Rp 23, no. 2:133-202 (1927)

27b Sacramento Field Division, Placer Co., Cal. Cal St M Bur, Mining in California, St Mineralogist's Rp 23, no 3:235-286 (1927)

28 Sacramento Field Division: Butte Co., Cal. Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 24:173-210 (1928)

28a Sacramento Field Division: Tuolumne Co., Cal. Cal Dp Nat Res, Mines and Mining, Mining in California, St. Mineralogist's Rp 24:3-53 (1928)

29 Sacramento Field Division: Sierra Co., Cal. Cal Dp Nat Res, Div Mines and

Logan, C. A.—Cont.

Mining, Mining in California, St Mineralogist's Rp 25:151-212 (1929)

29a Sacramento Field Division: Colusa Co., Cal. Cal Dp Nat Res, Div. Mines and Mining, Mining in California, St Mineralogist's Rp 25:284-300 (1929)

30 Sacramento Field Division: Nevada Co. California. Cal Dp Nat Res, Div of Mines, Mining in California, St Mineralogist's Rp 26:90-137, 2 maps, 4 pls (1930)

Logan, William Newton.

00 A North American epicontinental sea of Jurassic age. J G 8:241-273, maps (1900)

Longridge, C. C.

07 Black sands of New Zealand, the Pacific, and Tierra del Fuego. (Magnetite.) M J 81:522 (1907)

Longwell, Chester R.

28 Three common types of desert mudcracks. Am J Sc (5) 15:136-145 (1928)

28a Lessons from the St. Francis dam (California). Science (n s) 67:36-37 (1928) (*ann*) Bib Ec G 1:268 (1928)

Loomis, Benjamin Franklin.

26 Pictorial history of the Lassen Volcano (California). 135 pp, 84 figs, map. Anderson, Cal. Anderson Valley News Press (1926)

Louderback, George Davis.

04 Basin Range structure of the Humboldt region. G Soc Am, B 15:289-346, pls 14-21 (1904)

05 The Mesozoic of southwestern Oregon. J G 13:514-555, map (1905) (*abst*) G Zentralbl 7:317-318 (1905)

06 Study of the Basin range structure and glaucophane and associated schists of California and Oregon. Carnegie Inst, Wash, Y Bk 4:191 (1906)

07 Benitoite, a new California gem mineral with chemical analysis by Walter C. Blasdale. Cal Univ, Dp G, B 5, no 9:149-153 (1907)

08 The chief features of the stratigraphy and structure of Mount Diablo, Cal. (*abst*) Science (n s) 27:406 (1908) G Soc Am, B 19:537-538 (1909)

08a (and **Blasdale**, Walter C.) Benitoite, its mineralogy, paragenesis and geological occurrence. (*abst*) Science (n s) 27:411 (1908) Cal Univ Dp G, B 5:331–380 (1909)

08b (and **Sharwood**, W. J.) Crocidolite-bearing rocks of the California coast ranges. (*abst*) G Soc Am B 19:659 (1908)

10 The Geological Society of America; eleventh annual meeting of the Cordilleran section. Science (n s) 32:30-31 (1910)

Louderback, George Davis—Cont.

10a Proceedings of the eleventh annual meeting of the Cordilleran section of the Geological Society of America, held at Berkeley, California, March 25 and 26, 1910. G Soc Am, B 21:789-796 (1910)

10b Secondary pseudostratification in Santa Barbara Co., Cal. (*abst*) Science (n s) 32:30-31 (1910) G Soc Am, B 21: 791 (1910)

10c (and **Blasdale**, W. C.) Ruby corundum from San Bernardino Co., Cal. (*abst*) Science (n s) 32:31 (1910) G Soc Am, B 21:793 (1910)

11 Lake Tahoe, California-Nevada. J Geog 9:277-279 (1911)

12 Pseudostratification in Santa Barbara Co., Cal. Cal Univ, Dp G, B 7:21-38 (1912) (*abst*) G Zentralbl 19:670-671 (1913)

12a Proceedings of the twelfth annual meeting of the Cordilleran section of the Geological Society of America, held at Berkeley, Cal., March 31, and April 1, 1911. G Soc Am, B 23:69-76 (1912)

12b Some general features of the Miocene of the southern coast range region of California (*abst*) G Soc Am, B 23:72 (1912)

13 The Monterey series in California. Cal Univ, Dp G, B 7:177-241 (1913) (*abst*) G Zentralbl 19:645-646 (1913)

13a Proceedings of the thirteenth annual meeting of the Cordilleran section of the Geological Society of America, held at Stanford University, California, April 5, 1912. G Soc Am, B 24:91-98 (1913)

13b General features of the structure of the bedrock complex of the Sierra Nevada. (*abst*) G Soc Am, B 24:98 (1913)

14 Proceedings of the fourteenth annual meeting of the Cordilleran section of the Geological Society of America, held at Berkeley, Cal., April 11 and 12, 1913. G Soc Am, B 25:119-126 (1914)

14a (with **Sumner**, F. B., and others) A report upon the physical conditions in San Francisco Bay ... (sedimentation, etc.) Cal Univ, Pub Zool 14, no 1:1-198 (1914)

15 Proceedings of the fifteenth annual meeting of the Cordilleran section of the Geological Society of America held at Seattle, Washington, May 21 and 22, 1914. G Soc Am, B 26:129-140 (1915)

15a Basin Range faulting in the northwestern part of the Great Basin. (*abst*) G Soc Am, B 26:138-139 (1915)

16 Excursion impressions. San Diego Soc N H, Tr 2:87-97 (1916)

18 Californian manganese problem. M Sc Press 116:451-452 (1918)

19 Fundamental geological problems of the North Pacific Ocean region. Cal

Louderback, George Davis—Cont.

Univ Scripps Inst for Biol Research, B 9: 75-82 (1919)

20 Preliminary results of a study of the San Francisco Bay sediments. (*abst*, with discussion by E. W. Shaw) G Soc Am, B 31:123-125 (1920)

21 Certain marked differential movements in the San Francisco Bay region. (*abst*, with discussion by W. H. Hobbs) G Soc Am, B 32:45 (1921)

23 Basin range structure in the Great Basin. Cal Univ, Dp G, B 14:329-376, 2 figs, 9 pls (1923) (*abst*) G Zentralbl 31: 370-371 (1925)

24 Geologic section across the Coast Ranges of California (*abst*, with discussion by Robin Willis) G Soc Am, B 35:95 (1924) (*abst*) Pan Am G 41:147 (1924)

24a Period of scarp production in the Great Basin. Cal Univ, Dp G, B 15:1-44, 3 figs, 3 pls (1924) (*abst*) G Zentralbl 33:107 (1926)

26 Morphologic features of the Basin Range displacement in the Great Basin. Cal Univ, Dp G, B 16:1–42, pl 1–6, 9 figs (1926) (*abst*) G Zentralbl 35:163 (1927)... 36:136 (1927) (*abst*) Petermann's Mitt 1927:54 (1927)

28 Geologic features of Kennett dam site (Sacramento River). Cal Dp Public Works, Division Engineering and Irrigation, B 13:56-59, Cal St Printing Office, Sacramento (1928), (*ann*) An Bib Ec G 1:269 (1928)

28a Geological conditions at the (St. Francis) dam site. Report of the Commission to investigate the causes leading to the failure of the St. Francis dam site near Saugus, California: 10-13, California State Printing Office, Sacramento (1928) (*ann*) An Bib Ec G 1:268 (1928)

28b The geology of the St. Francis Dam site. Am Soc Civil Eng, Pr 24, no 3:9-10. San Francisco Section Meeting June 19 (1928)

29 (with **Berkey,** C. P., **Elliott,** G. A., **Hinderlider,** M. C., **Savage,** J. L., and **Williams,** I. A.) Report of the Consulting board on Safety of the Proposed San Gabriel Dam, Los Angeles, California. Cal State Dept of Public Works, Div Water Resources, Rp: 10 pp (1929)

29a An outline history of earth movements in the Central Coast Region of California in late Pliocene and post-Pliocene time. Reprint from the Fourth Pan Pacific Science Congress, Pr: 841-848, Java (1929)

30 (**Berkey,** C. P., **Elliott,** G. A., **Savage,** J. L. and **Williams,** I. A.) Report of the Consulting Board on the safety of the Mulholland Dam, Hollywood. Cal St Dp Pub Works, Div Water Resources, Rp:14 pp (June, 1930) (*ann*) Ann Bibl Ec G 3: 430 (1931)

30a Geological conditions at Lafayette Dam. (*abst*) Pan Am G 54:72 (1930)

30b An outline of earth movements in the central coast region of California in late Pliocene and post-Pliocene time. Fourth Pan Pacific Science Congress, Java, 1929 Proc 2B:841-848, 4 figs (1930)

Loughlin, G. F.

14 Stone industry in California. U S G S, Min Res, Calendar Year 1913:1354-1366 (1914)

14a Building stone. U S G S, Min Res, Calendar Year 1914:819-891, California 829-830, 833 (1914)... 1915:761-842, California 772, 829, 831-832, 836 (1917)... 1916:993-1078, California 1005, 1070 (1919)

16 Sand and gravel. U S G S, Min Res, Calendar Year 1914:271-283, California 272, 278, 280 (1916)

16a Basalt and trap rock. U S G S, Min Res, Calendar Year 1914:819-891, California 855-857 (1916)... 1915:761-842, California 795-797 (1917)... 1916:993-1078, California 1033-1035 (1919)

16b Marble. U S G S, Min Res, Calendar Year 1914:819-891, California 860-861, 864, 866-868 (1916)... 1915:761-842, California 797-798, 800-801 (1917)... 1916: 993-1078, California 1036-1040 (1919)

16c Limestone. U S G S, Min Res, Calendar Year 1914:819-891, California 870, 873-874, 879 (1916)... 1915:761-842, California 803, 806-807, 815 (1917)... 1916:993-1078, California 1044-1045, 1048-1049, 1056-1057 (1919)

16d Sandstone. U S G S, Min Res, Calendar Year 1914:819-891, California 882-883, 886 (1916)... 1915:761-842, California 819, 821-822 (1917)... 1916:993-1078, California 1060, 1063-1064 (1919)

16e Granite. U S G S, Min Res, Calendar Year 1914:819-891, California 838-839, 841-843 (1916)... 1915:761-842, California 777-778, 780, 782, 784 (1917)... 1916: 993-1078, California 1013, 1015-1018, 1020 (1919)

19 Slate. U S G S, Min Res, Calendar Year 1916:61-72, California 63-66 (1919)... 1917:121-138, California 125-126, 128 (1920)

21 (and **Coons,** A. T.) Slate. U S G S, Min Res, Calendar Year 1918:267-282, California 272, 274 (1921)... 1919:369-375, California 371 (1922)... 1920:135-143, California 136 (1923)... 1922:165-175, California 175 (1925)... U S B M, Min Res, 1924:151-160, California 154 (1927)

22 (and **Coons,** A. T.) Building stone. U S G S, Min Res, Calendar Year 1919: 419-455, California 423, 454 (1922)... 1920: 225-262, California 228, 258, 259, 262

Loughlin, G. F.—Cont.

(1923)... 1921:175-213, California 179, 211, 213 (1924)... 1922:261-344, California 267, 340, 342, 344 (1925)... 1923:205-234, California 208, 230-232, 234 (1927)... U S B M, Min Res, 1924:267-304, California 271, 296-298 (1927)

22a (and **Coons**, A. T.) Granite. U S G S, Min Res, Calendar Year 1919:419-455, California 426, 429-430 (1922)... 1920:225-262, California 231, 234-235 (1923)... 1921:175-213, California 186-188 (1924)... 1922:261-344, California 273, 274-275, 297-299 (1925)... 1923:205-234, California 212-214 (1927)... U S B M, Min Res, 1924:267-304, California 275, 278, 279 (1927)

22b (and **Coons**, A. T.) Basalt and related rocks. U S G S, Min Res, Calendar Year 1919:419-455, California 431, 433 (1922)... 1920:225-262, California 236, 238 (1923)... 1921:175-213, California 189-190 (1924)... 1922:261-344, California 300-301, (1925)... 1923:205-234, California 216-217 (1927)... U S B M, Min Res, 1924:267-304, California 281-282 (1927)

22c (and **Coons**, A. T.) Marble. U S G S, Min Res, Calendar Year 1919:419-455, California 434 (1922)... 1920:225-262, California 239 (1923)... 1921:175-213, California 192-193 (1924)... 1922:261-344, California 303-304 (1925)... 1923:205-234 California 218 (1927)... U S B M, Min Res, 1924:267-304, California 283 (1927)

22d (and **Coons**, A. T.) Limestone. U S G S, Min Res, Calendar Year 1919:419-455, California 435, 442, 444 (1922)... 1920: 225-262, California 240, 246, 248 (1923)... 1921:175-213, California 198-200 (1924)... 1922:261-344, California 310-312 (1925) 1923:205-234, California 220-222 (1927)... U S B M, Min Res, 1924:267-304, California 285, 286, 288 (1927)

22e (and **Coons**, A. T.) Sandstone. U S G S, Min Res, Calendar Year 1919:419-455, California 446, 450-451 (1922)... 1920: 225-262, California 252, 255-256 (1923)... 1921:175-213, California 207-209 (1924)... 1922:261-344, California 322-324, 340 (1925)... 1923:205-234, California 227-228 (1927)... U S B M, Min Res, 1924:267-304, California 293-295 (1927)

23 (and **Coons**, A. T.) Calcareous marl. U S G S, Min Res, Calendar Year 1920: 177-188, California 187 (1923)... 1921:155-168, California 164 (1924)

25 (and **Heikes**, V. C.) Arsenic. U S G S, Min Res, Calendar Year 1922:53-76, California 60-61 (1925)... 1923:35-43, California 37 (1927)

25a (and **Hill**, James M.) Magnesium. U S G S, Min Res, Calendar Year 1922: 41-57, California 47 (1925)... 1923:7-21, California 13-14 (1927)... U S B M, Min Res, 1924:125-140, California, 126, 129-130, 132 (1927)

Louis, Henry.

96 (and **Phillips**, J. Arthur) A treatise on ore deposits. (Second edition.) North America, The United States, gold and silver:741-830, California 741-754 (1896)

Louis, Herbert.

27 Die Verbreitung von Glacialformen in Westen der Vereinigten Staaten: Zs Geomorph 2:221-235, Leipzig (1927)

Lowell, F. L.

11 Quicksilver for 1910. M Sc Press, 102:62 (1911)

16 Mariposa, Merced, San Joaquin and Stanislaus counties. Cal St M Bur, St Mineralogist's Rp 14:569-604, 605-606, 607-626, 627-634 (1916) issued as separate under title, Mines and Mineral Resources of the counties of Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus (July, 1915)

16a Del Norte, Humboldt, Mendocino counties. Cal St M Bur, St Mineralogist's Rp 14:373-425 (1916) issued as separate under title Mines and Mineral Resources of the counties of Del Norte, Humboldt, Mendocino (July, 1915)

Lucas, Frederic Augustus.

01 A fossil flightless auk (Los Angeles, Cal.) (*abst*) Science (n s) 13:428 (1901)

01a A flightless auk, *Mancella californiensis*, from the Miocene of California. U S Nat Mus, Pr 24:133-134, il (1901) (*absts*) G Zentralbl 3:118 (1903) N Jb Ref 1904, pt 1:460 (1904), Rv crit Paleozool J 6:101 (1902); Naturw Wochenschr 17 (N. F.): 379

Lull, Richard Swann.

14 Fossil dolphin from California. Am J Sc (4) 37:209-220, il (1914) (*abst*) N Jb Ref 1915, pt 1:132-133 (1915) G Zentralbl 21:238 (1915) Nature 95:355-356 (1915)

Lyle, D. A.

72 Notes on mining districts in Nevada, California and Arizona. U S 42d cong, 2d sess, Senate Ex Doc No 65:42-43, 45-46, 49-51, Washington (1872)

Lyman, C. S.

48 Mines of cinnabar in Upper California. Am J Sc (2) 6:270-271 (1848)

49 Observations on California. Am J Sc (2) 7:290-292, 305-309 (1849)

49a Platinum and diamonds in California. Am J Sc (2) 8:294 (1849)

49b Notes on the California gold region. Am J Sc (2) 8:415-419 (1849) Ph Mag (3) 35:470-474 (1849)

50 Gold of California. Am J Sc (2) 9: 126-127 (1850)

Lyon, Dorsey A.

14 (and **Keeney**, Robert M.) Electric furnaces for making iron and steel. U S B M, B 67:142 pp (Iron ore deposits on the Pacific Coast): 39-40 (1914)

Lytle, J. W.

26 The Rancho La Brea asphalt pits. Mus Graphic I:23-24, 1 fig (1926)

McAdie, Alexander George.

04 Climatology of California. U S Dp Agr, Weather Bureau, B L: 270 pp, Washington, D. C. (1903) (Review) Am Geog Soc, B 36:41 (1904)

06 California. *In* Henry, Climatology of the United States. U S Dp Agr, Weather Bureau, B Q: 971-1006 (1906)

07 Catalogue of earthquakes on the Pacific coast, 1897-1906. Smiths Misc Col 49, art 5:64 pp (1907)

07a (and **Richter**, C. M.) Phenomena connected with the San Francisco earthquake. Monthly Weather Review 35: 505-506 (1907)

11 Surface measurement of earthquake displacement. Seism Soc Am, B 1:33-34 (1911)

11a (with **Davidson**, George, **Townley**, S. D., **Wood**, H. O., and others) Notes on the California earthquake of July 1, 1911. Seism Soc Am, B 1:110-121 (1911)

14 The rainfall of California. Cal Univ, Pub Geog 1:127-240, 7 pls (1914)

15 President's address meeting of the Seismological Society of America, Stanford University, Cal., August 4, 1915 (with discussion). Seism Soc Am, B 5:121-219, 177-189 (discussion), (1915)

McBeth, I. G.

11 (and **Sweet**, A. T.) Soil survey of the Klamath reclamation project, Oregon. U S Dp Agr, Bur Soils, Field Operations, 1908:1373-1414 pp, 1 fig, 2 maps (1911)

McBride, R. S.

24 (and **Sievers**, E. G.) Natural gas. U S G S, Min Res, Calendar Year 1921: 335-369, California 342-343, 345, 347-349, 352-353, 356, 360 (1924)

McCabe, R. E.

24 The minor oil fields of Kern County; Lost Hills oil field. Cal St M Bur, Summary of Operations California Oil Fields, 10, no 1:5-10, 2 pls (incl maps) (1924) (*abst*) Eng Index 1924:491 (1925)

McCaskey, H. D.

08 (and **Lindgren**, W.) Gold and silver. U S G S, Min Res, Calendar Year 1907: 111-135, California 111-113, 118-120, 127-135 (1908)... 1908:157-183, California 157-159, 166-168, 175, 177-183 (1909)

McCaskey, H. D.—Cont.

08a Quicksilver. U S G S, Min Res, Calendar year 1907:677-692, California 677-680 (1908)... 1908:683-695, California 683-691 (1909)... 1909:549-559, California 549-554 (1911)... 1910:693-710, California 693-701 (1911)... 1911:889-921, California 889-895, 899-904 (1912)... 1912:931-948 California 931, 933-936, 937-944 (1913)... 1913:197-212, California 197-207 (1914)... 1914:315-332, California 315-320, 323-327 (1916)... 1915:259-277, California 261-263, 267-271 (1917)... 1916:757-773, California 758-760, 762-766 (1919)

10 The New Idria quicksilver mine, Cal. M World, 32:104 (1910)

11 Gold and silver. U S G S, Min Res, Calendar Year 1909:121-149, California 121-124, 130, 132-133, 140-149 (1911)... 1910: 119-153, California 119-124, 130-131, 132-134, 142-153 (1911)... 1911:211-254, California 211-212, 223-224, 226-227, 235-254 (1912)... 1912:225-273, California 225, 227, 235, 238-239, 246, 249-253, 263-266, 268-273 (1913)... 1913:845-885, California 845-846, 854-855, 857-858, 866-881, 883-885 (1914)... 1914:829-865, California 829-830, 837, 839-840, 848-861, 863-864 (1916)

14 The quicksilver situation. Eng M J, 98:647 (1914)

16 Mineral production of the United States. U S G S, Min Res, Calendar Year 1914:*1-*69, California *39-*40 (1916)

19 (and **Dunlop**, J. P.) Gold and silver. U S G S, Min Res, Calendar Year 1915: 767-803, California 767-768, 775, 777-778, 785-799 (1919)... 1916:679-721 California 679-680, 692-693, 695-696, 703-718 (1919)

20 (and **Dunlop**, J. P.) Gold and silver. U S G S, Min Res, Calendar Year 1917: 605-651, California 605-606, 619-620, 623, 630-636, 638-648 (1920)

McClellan, R. Guy.

72 The golden state. 685 pp (1872)

McClintock, H. H.

23 Purisima-San Gregorio oil fields, San Mateo, Cal. Oil Age, 20:38 (November, 1923)

McClure, W. F.

18 (and others) Report on the utilization of Mojave River for irrigation in Victor Valley, Cal. Cal Dp Eng, B 5:54-55, pl 1 (1918)

McCollom, C. R.

23 (and **Templeton**, R. R.) Santa Fe Springs field, Cal. M Oil B 9:869, 871, 883, 885, 887, 889-891, 893, 895, 935 (October, 1923), (with discussion) Am As Petroleum G, B 8:178-194, 1 fig, 1 pl (1924)

28 (and **Templeton**, R. R., **Case**, J. B.) Santa Fe Springs. Oil Bull 14, no 9:919-

McCollom, C. R.—Cont.

921, 1 fig (September, 1928) (*abst*) Eng Index 1928:1298 (1929)

McCollough, E. H.

29 Kettleman Hills oil field (Geological notes). Am As Petroleum G, B 13:1479-1483, 1 fig (1929) (*ann*) An Bib Ec G 2 : 431 (1929)

McConnell, P. C.

30 Testing formations for colorless oils. Petroleum Eng 1:175-176 (June, 1930)

McCormack, E.

01 The Santa Fe mining district, Nevada. M Min 21:407 (1901)

McDonald, P. B.

16 Scheelite mining and grading (southern California). M Sc Press 112:40-41 (1916)

McGee, W. J. (i. e. William John), 1853-1912).

88 Paleolithic man in America; his antiquity and environment. Pop Sc Mo 34: 20-36 (1888)

99 (and **Holmes, W. H.**) Geology and archaeology of the California gold belt. (*abst*) Am G 23:96-99 (1899) Science (n s) 9:104-105 (1899)

McGillivray, James J.

82 The old river beds of the Sierra Nevada of California. *In* H. C. Burchard Report of the U S Director of the Mint upon the statistics of the production of the precious metals of the United States for the Calendar Year 1881:630-644 (1882)

McGlashan, H. D.

12 (and **Henshaw, F. F.**, under direction of J. C. Hoyt) Water resources of California. Part I, Stream measurements in Sacramento River Basin. U S G S, W-S P 298:411 pp, 8 pls (1912)

12a (and **Dean, H. J.**, under direction of J. C. Hoyt). Water resources of California. Part II, Stream measurements in San Joaquin River Basin. U S G S, W-S P 299:439 pp, 7 pls (1912)

12b (with **Clapp, W. B.**, and **Henshaw, F. F.**, under direction of M. O. Leighton). Surface water supply of the United States. Part 11, Pacific coast in California, 1910. U S G S, W-S P 291:218 pp, 4 pls (1912)

13 (and **Dean, H. J.**, under direction of J. C. Hoyt). Water resources of California. Part 3, Stream measurements in the Great Basin and Pacific coast river basins. U S G S, W-S P 300:956 pp, 4 pls (1913)

McGlashan, H. D.—Cont.

14 (and **Stevens, G. C.**) Surface water supply of the United States, 1912. Part 11, Pacific coast basins in California, U S G S, W-S P 331:442 pp, 2 pls (1914)

16 (with **Grover, N. C.**, and **Henshaw, F. F.**) Surface water supply of the United States. Part 11, Pacific slope basins in California, 1913. U S G S, W-S P 361:514 pp, 2 pls (1916)... 1914, 391:334, xxxvi pp, 2 pls (1917)... 1915, 411:345, xxxvi pp, 8 pls (1918)... 1916, 441:330, xxxvi pp, 2 pls (1918)... 1917, 461:314, xxxvii pp, 2 pls (1920)... 1918, 481:314, xxxviii pp, 2 pls (1921)... 1919-20, 511:vii, 456 pp, 2 pls (1923)... 1921, 531:vii, 304 pp, 2 pls (1925)... 1922, 551:viii, 405 pp, 2 pls (1927)... 1923, 571:viii, 431 pp (1928)... 1924, 591:viii, 448 pp (1928)... 1925, 611:viii, 382 pp (1929)... 1926, 631:ix, 419 pp (1930)

17 (and **Ebert, F. C.**) Southern California floods of January, 1916. U S G S, W-S P 426:81 pp, 17 pls (1917)

21 Surface water supply of the Pacific slope of southern California. U S G S, W-S P 447:557 pp 18 pls (1921) (*abst*) Rv Geol et Sci conn 2:542 (1921)

30 Surface water supply of minor San Francisco Bay, northern Pacific and Great Basins in California, 1895-1927. U S G S, W-S P 637-A: 68 pp (1930)

30a Surface water supply of the San Joaquin River Basin, California. U S G S, W-S P 636:101-168 (1930)

30b Surface water supply of Pacific slope basin in southern California, 1894-1927. U S G S, W-S P 636:169-219 (1930)

McGregor, A.

90 Del Norte, Humboldt, Mendocino, Shasta counties, Cal. Cal St M Bur, St Mineralogist's An Rp 10:166-168, 205-208, 311-314, 627-641 (1890)

McGurk, P. A.

27 Talc. Min Ind, 35:642-649, California 645-646 (1927)... 36:553-560, California 557 (1928)

McKenney, W. F.

23 Fuel briquets. U S G S, Min Res, Calendar Year 1920:87-91, California 87-91 (1923)... 1921:1-5, California 1,4 (1924)... 1922:1-4, California 4 (1925)

McLaughlin, D. H.

17 (with **Graton, L. C.**) Ore deposition and enrichment at Engels, Cal. Ec G 12:1-38 (1917)

18 (with **Graton, L. C.**) Further remarks on the ores of Engels, Cal. Ec G 13:81-99 (1918)

30 Review. The Mother Lode System of California (Knopf) Ec G 25:225-227 (1930)

McLaughlin, R. P.

07 Geology of the Bodie district, Cal. M Sc Press 94:795-796 (1907)

14 (and **Waring, C. A.**) Petroleum industry of California. Cal St M Bur, B 69:519 pp, map folio, il (1914)

14a Midway and Sunset oil fields. M World 40:925-927, 2 figs (1914) (*abst*) Eng Index 1914:457 (1915)

15 Masonic mining district, Mono Co., Cal. M Sc Press 110:27-29 (1915) (*abst*) Eng Index 1915:367 (1915)

15a California petroleum in 1914. M Sc Press 110:132-134 (1915) (*abst*) Eng Index 1915:356 (1915)

16 (and **Bradley, W. W.**) Madera County, Cal. Cal St M Bur St Mineralogist's Rp 14:531-568 (1916) issued as separate under title, Mines and Mineral Resources of the counties of Fresno, Kern, Kings, Madera, Mariposa, Merced, San Joaquin, Stanislaus (July, 1915) G Zentralbl 27:393 (1922)

17 First Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1915-16. Cal St M Bur, B 73: 278 pp, 26 il (1917)

18 Second Annual Report of the State Oil and Gas Supervisor for the fiscal year 1916-17. Cal St M Bur, B 82:412 pp, 31 il (1918)

18a Third Annual Report of the State Oil and Gas Supervisor, for the fiscal year 1917-18. Cal St M Bur, B 84:617 pp, 28 il (1918)

19 Fourth Annual Report of the State Oil and Gas Supervisor (April, May, June, 1919) Cal St M Bur (1919)

19a Tulare Lake gas field. Summary of operations, California oil fields. U S Bur Mines, Mo Chapter of State oil and gas supervisor, An Rp 5:5-6 (December, 1919)

19b (and **Eakle, A. S.**) Mono County, Cal. Cal St M Bur, St Mineralogist's Rp 15:135-175 (1919) issued as separate under title Mines and Mineral Resources of Alpine County, Inyo County, Mono County. (1916) (*abst*) Eng Index 1918:325 (1919)

19c Fifth Annual Report of the State Oil and Gas Supervisor of California for the Fiscal Year 1919-20. Cal St Min Bur, (1919-20)

20 Conservation of oil and gas resources in California. Am As Petroleum G, B 4:17-26 (1920)

20a (and **Collom, R. E.**) Sixth Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1920-21. Cal St M Bur (1920-21)

21 Regularity of decline of oil wells in California. Am As Petroleum G, B 5: 178-185, 10 figs (1921)

21a California oil fields. Am As Petroleum G, B 5:623-625 (1921)

McLaurin, John J.

96 Sketches in crude oil. 406 pp, California 404-405 (1896)

McLellan, Mary E.

24 (and **Hanna, G. Dallas**) A new species of whale from the type locality of the Monterey group. Cal Ac Sc, Pr (4) 13:237-241, 5 pls (1924)

McLendon, W. E.

05 (with **Holmes, J. G.**, **Jensen, C. A.**, **Marean, H. W.**, **Neill, N. P.**, **Root, A. S.**, **Burgess, J. L.**, **Strahorn, A. T.**, and **Sweet, A. T.**) Soil survey of the Yuma area, Arizona-California. U S Dp Agr, Bur Soils, Rp 6, 1904:1025-1047, map no 47 (1905)

05a (with **Holmes, J. G.**, **Marean, H. W.**, **Neill, N. P.**, **Root, Aldert S.**, and **Sweet, A. T.**) Soil survey of the San Bernardino Valley, Cal. U S Dp Agr, Bur Soils, Rp 6, 1904:1115-1151, map no 53 (1905)

McLennan, John F.

15 Quartz veins in lamprophyre intrusions. Eng M J 99:11-13, 6 figs (1915)

16 Gold-quartz replacements in intrusive rocks (geology and ores of the Feather River region, northern California.) M World 44:389-392 (1916)

Mabery, Charles F.

00 On the composition of American petroleum. First International Petroleum Congress. Aug 16-28, 1900. Sup Pet Rev, pp 26-30, California 28-30 (Sept 1, 1900)

01 (and **Hudson, E. J.**) On the composition of California petroleum. Am Ac Arts, Pr 36:255-283 (1901) (*abst*) G Zentralbl 9:534 (1907)

03 A resume of the composition and occurrence of petroleum. Am Ph Soc, Pr 42:36-54 (1903)

20 (and **Wesson, L. G.**) Constitution of the organic nitrogen bases of Californian petroleum. Am Chem Soc, J 22:1014 (1920)

MacBoyle, Errol.

19 Mines and mineral resources of Nevada County, Cal. Cal St M Bur, Chapters of St Mineralogist's Rp, Biennial Period 1917-18:270 pp, 4 pls, 32 figs (1919) G Zentralbl 29:424 (1923)

20 Mines and mineral resources of Plumas County, Cal. Cal St M Bur, Chapters of St. Mineralogist's Rp, Biennial Period 1917-18:188 pp, 1 pl, 11 figs (1920) G Zentralbl 29:424 (1923)

20a Mines and mineral resources of Sierra County, Cal. Cal St M Bur, Chapters of St Mineralogist's Rp, Biennial Period 1917-18:144 pp, 3 pls, 18 figs (1920) G Zentralbl 29:424 (1923)

MacDonald, Donald Francis.

10 The Weaverville-Trinity Center gold gravels, Trinity Co., Cal. U S G S, B 430: 48-58 (1910)

13 Notes on the gold lodes of the Carrville district, Trinity Co., Cal. U S G S, B 530:9-41, map (1913)

MacDougal, Daniel Trembly.

06 The delta of the Rio Colorado. Am Geog Soc, B 38:1-16 il, map (1906)

07 The desert basins of the Colorado delta. Am Geog Soc, B 39:705-729, il (1907)

08 More changes of the Colorado River. Nat Geog Soc, Mag 19:52-53 (1908)

14 (and others) The Salton Sea; a study of the geography, the geology, the floristics, and ecology of a desert basin. Carnegie Inst, Wash, Pub 193:182 pp (1914)

15 The Salton Sea (Cal). Am J Sc (4) 39:231-250 (1915) (*abst*) G Zentralbl 25: 168-169 (1920)

15a (and **Sykes,** G.) The travertine record of Blake Sea (Cal.). Science (n s) 42:133-134 (1915) G Zentralbl 27:303 (1922)

15b (and others) The Salton and Mohave Desert regions. Carnegie Inst Wash, Y Bk 14 1915:90-97 (1916)

17 A decade of the Salton Sea. Geog Rv 3:457-473 (1917)

Macelwane, James B.

22 Some seismological evidence that is not evident. Science (n s) 56:478-480 (1922)

22a The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from April 1, 1921, to September 30, 1921. Cal Univ, Seism Sta, B 2, no 2:17-27 (1922)

22b Eureka earthquake, January 31, 1922. (*abst*) G Soc Am, B 35:165 (1924)

23 A study of the relation between the periods of elastic waves and the distance traveled by them, based upon the seismographic records of the California earthquake, January 31, 1922. Seism Soc Am, B 13, no 2:14-69, 6 figs, 1 pl (1923)

23a The Coralitos (California) earthquake, September 19, 1923. Seism Soc Am, B 13:109-112, 1 pl (1923)

24 (and **Byerly,** Perry, Jr.) The registration of earthquakes at the Berkeley Station and the Lick Observatory Station from October 1, 1921, to March 31, 1922. Cal Univ, Seism Sta, B 2, no 3:29-54 (1924)... April 1, 1922, to September 30, 1922, no 4: 55-56 (1924)... October 1, 1923, to March 31, 1924, no 7:107-119 (1925)

25 (and **Appleford,** Wm L.) The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from October 1, 1922, to March 31, 1923. Cal Univ, Seism Sta, B 2, no 5:67-87 (1925)... April 1, 1923, to September 30, 1923, no 6:91-105 (1925)

Macelwane, James B.—Cont.

25a Recent seismic activity in central California (*abst*, with discussion by Warren D. Smith). G Soc Am, B 36:203-204 (1925) G Zentralbl 34:204 (1927)

27 (and **Repetti,** Wm C.) The Crystal Springs, California, earthquake of February 10, 1925. Seism Soc Am, B 17:15-19 (1927) Pan Am G 47:316 (1927)

27a (and **Repetti,** Wm C.) The Calaveras Valley, California, earthquake of April 3, 1924. Seism Soc Am, B 17:20-24 (1927) Pan Am G 47:316 (1927)

Mace, Clement H.

11 Genesis of Leona Heights ore deposit, Cal. M Eng World, 35:1320 (1911)

Macfarlane, James (1819-1885).

73 The coal regions of America... 679 pp, maps, N Y (1873), (California: 561-567), 3d ed, 697 pp, N Y (1877)

Machatschek, Fritz.

15 Ein Profil durch die Sierra Nevada mit einem Vergleich mit der Schollenstruktur in Zentralasien. Am Geog Soc, Memorial Volume of Transcontinental Excursion of 1912:313-327 (1915) G Zentralbl 27:395 (1922)

Machatschki, Felix.

29 De Formeleinheit des Turmalines. Zs Kryst 70:211-233, 71:45-46 (1929) Min Absts 4:204 (1930)

Mackie, W. W.

05 (with **Lapham,** Macy H., **Root,** Aldert S.) Soil survey of the Sacramento area, California. U S Dp Agr, Bur Soils, Rp 6, 1904:1049-1087, map no 49 (1905)

07 (and **Lapham,** Macy H.) Soil survey of the Stockton area, California. U S Dp Agr, Bur Soils, Rp 7, 1905:997-1031, 2 pls, map no 45 (1907)

09 The soils of Butte Valley, Siskiyou County, Cal. U S Dp Agr, Bur Soils, Rp 9:1001-1014, 4 pls (1909)

11 Soil survey of the Pajaro Valley, Cal. U S Dp Agr, Bur Soils, Rp 10:1331-1372, map no 36 (1911)

12 (with **Strahorn,** A. T., **Holmes,** L. C., **Westover,** H. L., and **Van Duyne,** Cornelius) Soil survey of the Marysville area, Cal. U S Dp Agr, Bur Soils, 1909, Rp 11:1689-1740, 1 pl, map (no 53), (1912)

Mackintosh, J. B.

88 (and **Hidden,** W. E.) Sulphohalite, a new sodium sulphato-chloride. Am J Sc (3) 36:463 (1888) Zs Kryst 15:294 (1889)

Maclaren, James Malcolm.

08 Gold, its geological occurrence and geographical distribution. 687 pp. London (1908) California 68-70, 488, 503-514. (*abst*) G Zentralbl 13:263 (1909)

Macready, George A.

30 Orientation of drill cores. (*abst*) Pan Am G 53:222 (1930)

Maenicke.

30 Die Ausbeutung des Scarles-Sees in Kalifornien. Kali 24 (20):311-315 (1930) (*ann*) Ann Bibl Ec G 3:348 (1931)

MaGuire, C. H.

14 Chromium. Min Ind, 22:83-87, California 83, 84 (1914)

Maguire, Don.

03 American borax mines. M Min 23: 298-300 (1903)

03a Death Valley. M Min 23:410-412 (1903) Sc Am Sup 55:22838-22839 (1903) (*abst*) Eng Index 4:783 (1906)

Maier, Charles G.

30 The present status of our quicksilver industry. Am I M Eng, Tr (Y B) 1930: 299-316 (1930) Tech Pub 264:19-37 (1929)

Mallery, Willard.

16 A discovery of celestite (Lavic station, San Bernardino Co., Cal.). M Sc Press 113:952 (1916)

Malone, George W.

29 Colorado River development—Colorado River investigations: water storage and power development, Grand Canyon to the Imperial Valley. U S 70th Congress 2d sess, S Ex D no 186, 231 pp (1929)

Maltby, C. S.

20 Magnesite production in California. Cement, Mill and Quarry 17, no 12:17-20, 7 figs (1920) (*abst*) Eng Index 1921:339 (1922)

Manlove, G. H.

16 American magnesite in California. Iron Trade Rev, 58:14-15 (1916)

Manly, William Lewis.

94 Death Valley in '49. 498 pp (1894) 2d edition, edited by Milo Milton Quaife, 330 pp (1927)

Mann, C. W.

11 (with **Holmes,** L. C., and **Strahorn,** A. T.) Soil survey of the Porterville area, Cal. U S Dp Agr, Bur Soils, Rp 10: 1095-1330, map no 35 (1911)

12 (with **Warner,** J. F., **Westover,** H. L., **Ferguson,** J. E.) Soil survey of the Woodland area, Cal. U S Dp Agr, Bur Soils, Rp 11:1635-1687, maps nos 51-52 (1912)

Mann, C. W.—Cont.

Mann, L.

27 (and **Tryon,** F. G.) Coal. U S G S, Min Res, Calendar Year 1923:499-746, California 502, 529, 532, 548, 594-596, 616, 620, 655 (1927)... U S B M, Min Res, 1925: 393-533, California 402, 416, 418, 465, 468, 531-532 (1928)

27a (with **Black,** James E., and **Tryon,** F. G.) Coal. U S B M, Min Res, Calendar Year 1924:459-589, California 463, 469, 471, 498, 500, 504, 506, 587 (1927)

29 (with **Tryon,** F. G., and **Kiessling,** O. E.) Coal. U S B M, Min Res, Calendar Year 1926:419-585, California 436, 461, 492, 496-497, 535 (1929)... Calendar Year 1927:327-509, California 340, 341, 353, 355, 365, 366, 367, 368, 386, 387, 396, 397-401, 402, 426, 447, 452, 461 (1930)

Mann, R. L.

16 Owl Head manganese deposit, San Bernardino Co., Cal. M World 44:743-744 (1916)

Manning, Paul D. V.

27 Borax. Min Ind 35:90-94, California 90-92 (1927)... 36:64-68, California 65, 66 (1928)... 37:65-69, California 66, 67 (1929)... 38:66-71, California 67, 68-69 (1930)

29 Capital plus vision plus research equals an American potash industry. Chem Met Eng 36, no 5:268-272 (May, 1929) (*ann*) An Bib Econ G 2:86 (1929)

Mansfield, George Rogers.

22 (with **Noble,** L. F., and others) Nitrate deposits in the Amargosa region, southeastern California. U S G S, B 724: 99 pp, 7 figs, 35 pls (incl maps), (1922) (*abst*) G Zentralbl 29:514 (1923)

25 Potash. U S G S, Min Res, Calendar Year 1922:87-107, California 89 (1925)

25a Nitrates. U S G S, Min, Res, Calendar Year 1922:39, 40, California 39 (1925)

26 The economic geology of the fertilizer minerals. *In* World conditions as to raw materials for the fertilizer industry. Nat Fertilizer Association: 13-22, California 17, 21 (1926)

27 (and **Boardman,** Leona). Potash. U S G S, Min Res, Calendar Year 1923: 167-204, California 169, 175, 186, 188 (1927)... U S B M, Min Res, 1924:27-61, California 29, 36-37 (1927)

27a New potash fields of the United States. M Cong J 13:187-188 (1927)

27b How the fertilizer minerals of commerce are distributed. Eng M J 123:566 570, California 568 (1927)

27c Geology, geography, and mineral resources of part of southeastern Idaho.

Mansfield, George Rogers—Cont.

U S G S, P P 152:1-402, California 126, 180, 185, 186, 190, 195, 201, 202, 368, 369, 371, 372 (1927)

28 American potash. Tech Eng News 9:94, 95, 120, 122, 124, California 95, 120.

30 Potash in the U S. Chem Ed, J 7: 737-761, California 737, 739-744, 760 (1930)

Manson, Marsden.

91 The cause of the Glacial Period and an explanation of geological climates. Tech Soc Pacific Coast, Tr 8:147-168 (1891)

92 Cause of geological climates. M Sc Press 64:154 (1892)

01 Reconnaissance of Yuba River, Cal. U S G S, W-S P 46:39-54 (1901)

03 The evolution of climates. (Revised edition) 1-86. 8 vo. Minneapolis (1903) Revised, enlarged and reprinted from Am G (24) 1899:86 pp (1903) (*abst*) Science (n s) 20:801-802 (1904)

03a Rainfall on the Pacific Coast of North and South America and the factors of water supply in California. As Eng Soc J 30:104-117, 1 map (1903)

13 The evidences of interglacial periods on the Sierra Nevada Mountains, Cal. Int G Cong, Canada 12: 3 pp. (1913), (advance copy)

Manufacturers' Record.

17 American quicksilver industry as affected by the war. 71-61 (1917)

Marais, C. L. P.

02 (with **Truman, B. C.**) Le Pétrole en Californie. Cong Intern Pétrole, 1, Paris, 1900, Notes ...: 57-59, Paris (1902)

Marais, M.

00 (and **Truman, Ben C.**) The California oil industry. First International Petroleum Congress. Aug 16-28, 1900. Sup Pet Rev, pp 14-15 (August 25, 1900)

Marcou, John Belknap.

84 (with **Marcou, J.**) Mapoteca geologica americana; a catalogue of geological maps of America (North and South), 1752-1881, in geographic and chronological order. U S G S, B 7:184 pp (1884)

85 Bibliography of publications relating to the collection of fossil invertebrates in the United States National Museum; including complete lists of the writings of Fielding B. Meek, Charles A. White and Charles D. Walcott. U S Nat Mus, B 30:333 pp (1885)

Marcou, Jules (1824-1898)

54 A geological map of the United States, and the British provinces of North America; with an explanatory text, geological sections and plates of fossils which characterize the formations. Map and text 92 pp, il, Boston, 1853, Rv, Am J Sc (2) 17:199-206 (1854)

54a Résumé d'une section géologique des montagnes Rocheuses à San Pedro, sur la côte de l'océan Pacifique. Soc G France, B (2) 11:474-478 (1854)

55 Sur un mémoire relatif à la classification des chaînes d'une partie de l'Amérique du Nord. Ac Sc Paris, C R 40:734-741 (1855)

55a Résumé explicatif d'une carte Géologique des Éstats-Unis et des provinces anglaises de l'Amérique du Nord, avec un profil géologique allant de la vallée du Mississippi aux côtes du Pacifique, et un planche de fossiles. Soc G France, B (2) 12:813-936, map, il (1855) An Mines (5) 7:pl 9 (1855) Rv by W. P. Blake, Am J Sc (2) 22:383-388 (1856)

55b Esquisse d'une classification de chaines de montagnes d'une partie de l'Amérique du Nord. An Mines (5) 7:329-350 (1855) (California pp 346-349) Also in his Geology of North America:70-80, Zurich (1859) M Mag 7:319-333, California 331-333 (1856) (*abst*) N Jb 1855: 354-356 (1855)

55c Sur le gisement de l'or en Californie. Arch Sc Phys Nat 28:124-135 (1855). Also in his Geology of North America: 81-84, Zurich (1858)

55d Ueber die geologie der vereinigten staaten und der Englischen Provinzen von Nord-Amerika. Petermann's Mitt 1: 149-159 map (1855)

56 Résumé of a geological reconnaissance extending from Napoleon at the junction of the Arkansas with the Mississippi to the Pueblo de los Angeles in California. *In* Whipple, A. W., Report of explorations ... near the thirty-fifth parallel... US Pacific R R Expl (U S 33d cong, 1st sess, H Ex Doc 129, v 18, pt 2): 40-48 (1855); also (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 3 pt 4:165-171 (1856)

56a Resume and field notes, with a translation by Wm. P. Blake (Whipple's reconnaissance near the thirty-fifth parallel). U S Pacific R R Expl. (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 3 pt 4:121-164, map (1856)

57 Lettres sur les roches du Jura et leur distribution géographique dans les deux hémisphères. 24, 364 pp, map Paris 1857-1860.

58 Geology of North America; with two reports on the prairies of Arkansas and Texas, the Rocky Mountains of New Mexico, and the Sierra Nevada of California ... 144 pp, il, map, Zurich (1858)

Marcou, Jules—Cont.

Rv by J. D. Dana, Am J Sc (2) 26:323-333 (1858)

59 (On the age of various formations in northern and western United States.) Ac Sc St L, Tr 1:325 (1859)

61 On the occurrence of silver and gold in the Rocky Mountains and California (with discussion by C. T. Jackson, W. B. Rogers, and A. A. Hayes) Boston Soc N H, Pr 8:172 (1861)

66 ... la géologie californienne. Soc G France, B (2) 23:552-559 (1866)

67 Distribution géographique de l'or et de l'argent aux États-Unis et dans les Canadas. Soc Geog, Paris, B 14:523-534 (1867)

73 On a second edition of the geological map of the world. Am Nat 7:345-352 (1873)

75 Bericht über eine Erforschungs-Expedition nach dem s ö. Theile Californiens. N Jb 1875:960-961.

75a Untersuchungen in Californien. K-k G Reichsanstalt, Verh 1875:215-216 (*abst*) G Rec 1875:125 (1877)

75b Explication d'une seconde édition de la carte géologique de la terre. 222 pp, map, Zurich (1875)

75c Letter describing an expedition to a little known part of southeast California. N Jb 1875:960-961 (1875) (*abst*) G Rec 1875:125-126 (1877)

76 Report on the geology of a portion of southern California. *In* Wheeler, G. M., Annual report ... surveys west of the 100th meridian...: 158-172 (1876) Also in U. S. (War Dp), Chief Eng, An Rp 1876 (U S 44th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3), App JJ: 378-392 (1876)

83 Note sur la géologie de la Californie. Soc G France, B (3) 11:407-435, map (1883) (*abst*) Am Nat 17:1271-1273 (1883) (*abst*) N England Inst M Mec Eng Tr 34:18 (1885)

83a Mittheilungen über die Geologie Californiens. N Jb 1883, II: 52-58

84 (and **Marcou, J. B.**) Mapoteca geologica americana; a catalogue of geological maps of America (North and South), 1752-1881, in geographic and chronologic order. U S G S, B 7:184 pp (1884)

85 Relative ages of American and English Neozoic series. G Mag (3) 2:46-47 (1885)

88 American geological classification and nomenclature. 75 pp, Cambridge (1888)

92 The geological map of the United States and the United States Geological Survey. 56 pp, Cambridge, Mass (1892)

93 Second supplement to "Mapoteca geologica americana," 1752-1881. Am G 11:95-99 (1893)

97 Rules and misrules in stratigraphic classification. Am G 19:35-49, 111-131 (1897)

Marean, Herbert W.

05 (with **Holmes, J. G., Jensen, C. A., Neill, N. P., Root, A. S., McLendon, W. E., Burgess, J. L., Strahorn, A. T.,** and **Sweet, A. T.**) Soil survey of the Yuma area Arizona-California. U S Dp Agr, Bur Soils, Rp 6, 1904:1025-1047, map 47 (1905)

05a (with **Holmes, J. G., Neill, N. P., Root, A. S., Sweet, A. T.,** and **McLendon, W. E.**) Soil survey of the San Bernardino Valley, Cal. U S Dp Agr, Bur Soils, Rp 6, 1904:1115-1151, map 53 (1905)

Margerie, Emmanuel de.

08 La carte géologique internationale de l'Amerique du Nord. An Géog 17:56-70 (1908)

Marsh, Othniel Charles (1831-1899).

67 A catalogue of official reports upon geological surveys of the United States and British provinces. Am J Sc (2) 43: 116-121, 399-404 (1867)

71 Notice of a fossil in the Tertiary of California. Am J Sc (3) 1:266-268 (1871)

74 Fossil horses in America. Am Nat 8:288-294, il (1874)

88 Notice of new fossil sirenian, from California. Am J Sc (3) 35:94-96, il (1888)

Marshall, R. B.

10 Results of triangulation and primary traverse for the years 1906, 1907 and 1908. U S G S, B 440:688 pp, California 31-133 (1910)... 1909-1910, 496:392 pp, California 11-35 (1912)... 1911-1912, 551:396 pp, 2 pls, California 53-69 (1914)

11 Results of spirit leveling in California 1907 to 1910 inclusive. U S G S, B 481:115 pp, 1 pl (1911)

16 Triangulation and primary traverse, 1913-1915. U S G S, B 644:652 pp, 2 pls, Triangulation in California 25-84, 1 pl (1916)

Marshall, W. C.

22 Signal Hill; is its extension north or south? Cal Oil World, 14:6 (April 6, 1922)

22a Southeastern extension of Long Beach field. Cal Oil World, 14:2 (May 25, 1922)

Martin, Al H.

08 A new copper district in California (Tehama Co.). M World 28:24 (1908)

08a Mining and smelting on Shasta copper belt (Cal.) M World 29:309-311 (1908) (*abst*) Eng Index 1908:308 (1909)

09 The Alleghany mining district, Cal. M World 31:589-592 (1909)

09a Gold mining at Grass Valley, Cal. M World 31:823-825 (1909)

09b The Mammoth Mine and Smelter in California. M World 31:311-313 (1909) (*abst*) Eng Index 1909:346 (1910)

Martin, Al H.—Cont.

10 The Balakalla mine and smeltery, California. M World 32:1163-1166 (June 11, 1910)

10a The east side of the Shasta copper belt (Cal.). M World 32:99-100 (1910) (*abst*) Eng Index 1910:364 (1911)

10b Gem mining in California a profitable industry. M World 33:1227-1228 (1910)

10c Nevada City gold mining district, Cal. M World 33:567-568 (1910) M Science 63:160-163 (1911)

10d Mining in California in 1909. M World 32:169-173 (1910) (*abst*) Eng Index 1911:408 (1912)

11 California oil industry. M World 35:754 (1911)

11a California quartz mining and its future. M World 35:571-572 (1911) (*abst*) Eng Index 1911:374 (1912)

Martin, Bruce.

12 Fauna from the type locality of the Monterey series in California. Cal Univ, Dp G, B 7:143-150 (1912) G Zentralbl 19: 135 (1913)

13 Geological section of a portion of the coast ranges in the eastern part of San Luis Obispo Co., Cal. (*abst*) G Soc Am, B 24:93 (1913)

13a Faunal relations of the upper Neocene in the Sargent oil fields, Cal. (*Abst*, with discussion by A. C. Lawson, B. L. Clark, F. M. Anderson and J. C. Merriam.) G Soc Am, B 24:129 (1913)

14 Descriptions of new species of fossil Mollusca from the later marine Neocene of California. Cal Univ, Dp G, B 8:181-202, il (1914) (*abst*) G Zentralbl 30:20 (1924)

14a (with **Anderson, F. M.**) Neocene record in the Temblor Basin, Cal., and Neocene deposits of the San Juan district, San Luis Obispo Co., Cal. Cal Ac Sc, Pr (4) 4:15-112, il, maps (1914)

16 The Pliocene of middle and northern California. Cal Univ, Dp G, B 9:215-259 (1916) (*abst*) G Zentralbl 30:22 (1924)

Martin, E. M.

23 Sensational gold strike in new California camp follows prospecting on property of Yellow Dog. Salt Lake Mining Review 24, no 20:9-10, 2 figs (January 30, 1923) (*abst*) Eng Index 1923:336 (1924)

Martin, Lawrence.

05 (and **Tarr, R. S.**) Recent change of level in Alaska. Science (n s) 22:879-880 (1905) Geog J 28:30-43, figs sketch map, California 42-43 (1906)

Martin, W. F.

10 (and **Clapp, W. B.**, under direction of **M. O. Leighton**) Surface water supply of the United States, Part 11, California 1907-08. U S G S, W-S P 251:363 pp, 7 pls (1910)

Marvin, Charles Frederick.

06 The record of the great (San Francisco) earthquake, written in Washington by the seismograph of the U. S. Weather Bureau. Nat Geog Mag 17:296-298 (1906)

Mason, A. J.

23 Why top oil zones are smaller in area. Oil Weekly, 29:24-25 (June 9, 1923)

Mason, Herbert L.

28 Geological interpretation of endemism in the California Coast Range flora. (*abst*) G Soc Am, B 40:258 (1929) Pan Am G, 49:316 (1928)

30 (and **Chaney, Ralph W.**) A Pleistocene flora from Santa Cruz Island, California. Reprint Carnegie Inst, Wash, Pub 415:1-24 (September 1930)

Mason, R. B.

50 Letter from Monterey, Cal., dated Aug. 17, 1848. Repts. Secretary of War (H Doc 17, 31st cong, 1st sess), pp 528-536 (1850), gives a description of the quicksilver near San Jose. First official report on the discovery of gold in California.

Matamoros, Luis.

08 Discussion of paper by J. H. Harper. The San Francisco earthquake of April 18, 1906. As Eng Soc, J 40:318-319 (1908)

Mather, S. T.

11 Borax in 1910. Eng M J 91:21 (1911)

Matson, George Charlton.

11 Mineral waters. U S G S, Min Res, Calendar Year 1910:921-958, California 925-926, 928-929, 931-932 (1911)... 1911: 1137-1174, California 1141-1145, 1148-1149, (1912)... 1912:1093-1131, California 1098-1099, 1105-1106 (1913)

Mattei, A. C.

17 Two Santa Barbara Channel earthquakes. Seism Soc Am, B 7:61-66 (1917)

Matteson, W. G.

14 Natural gas. Min Ind 22:568-574, California 568-569 (1914)

14a Petroleum. Min Ind 22:533-568, California 535-537 (1914)

Matthes, François Émile.

07 The new map of the Yosemite Valley. (*abst*) Science (n s) 26:146-148 (1907)

09 The glacial character of Yosemite Valley (*abst*) Science (n s) 29:240-754 (1909)

Matthes, François Émile—Cont.

09a Débris tracks on the domes of the Yosemite region. (*abst*) Science (n s) 30:61-62 (1909)

10 Little studies in the Yosemite Valley: 1, The Extinct Eagle Peak Falls. Sierra Club B 7:222-224 (1910)

10a The Half Dome of the Yosemite Valley. (*abst*) Science (n s) 31:519 (1910)

10b The cliff sculpture of the Yosemite Valley. (*abst*) Science (n s) 32:186 (1910), (with discussion) G Soc Am, B 21:759-760 (1910)

11 Lessons of the Little Yosemite Valley. (*abst*) G Soc Am, B 22:730-731 (1911)

12 The map of the Yosemite Valley: An Analysis. As Am Geog An, 2:109-110 (1912)

12a Little studies in the Yosemite Valley: 2, The Striped Rock Floor of the Little Yosemite Valley. Sierra Club B 8:3-9 (1912)

12b Little studies in the Yosemite Valley: 3, The Winds of the Yosemite Valley. Sierra Club B 8:89–95 (1912)

12c Sketch of Yosemite National Park and an account of the origin of the Yosemite and Hetch Hetchy valleys. 47 pp, U S Dp Interior, Office of the Secretary, Washington (1912)

14 Moraine Dome and the moraines of the Little Yosemite Valley. (*abst*) Wash Ac Sc, J 4:295-296 (1914)

14a Studying the Yosemite problem. Sierra Club B 9:136-147 (1914)

15 Studies on glacial cirques in the Sierra Nevada. (*abst*, and discussion) Wash Ac Sc, J 5:254-256 (1915)

15a Little studies in the Yosemite Valley: 4, El Capitan moraine and ancient Lake Yosemite. Sierra Club B 9:7-15 (1915)

16 Tertiary-Quaternary orogenic history of the Sierra Nevada in the light of recent studies in the Yosemite region. (*abst*) G Soc Am, B 27:46-47 (1916)

17 The post-Pleistocene moraines of the Sierra Nevada. (*abst*) As Am Geog, An 6:128-129 (1917) G Zentralbl 27:401 (1922)

20 Cockscomb Crest (Sierra Nevada). Sierra Club B 11, no 1:21-28, pls (January 1920)

22 The story of the Yosemite Valley. U S National Park Service, Making of American Scenery, no 1:4 pp (1922)

22a Story of Yosemite Valley. Published on reverse side of U S G S Topographic map of Yosemite Valley, 4 pls (Edition of 1907, reprinted 1922 and 1927)

24 Evidences of two glacial stages in the Sierra Nevada. (*abst*) G Soc Am, B 35:69-70 (1924) Pan Am G 41:138-139 (1924)

24a Hanging side valleys of the Yosemite and the San Joaquin Canyon. (*abst*) Wash Ac Sc, J 14:379-380 (1924)

Matthes, François Émile—Cont.

25 Evolution Basin (Sierra Nevada, Cal.). (*abst*) As Am Geog An 15:41 (1925)

25a Evidences of recurrent glaciation in the Sierra Nevada of California. (*abst*) Science (n s) 61:550-551 (1925)

25b Devil's Post-pile in the Sierra Nevada. (*abst*) Pan Am G 43:372 (1925) Sierra Club B 15, no 1:1-8 (1930)

26 Kings River Canyon and Yosemite Valley. Sierra Club B 12:224-236, 5 pls (1926)

29 Evidences of multiple glaciation in the Yosemite region. (*abst*) G Soc Am, B 40:135-136 (1929)

29a Multiple glaciation in the Sierra Nevada. Science (n s) 70:75-76 (1929)

30 Geologic history of the Yosemite Valley, U S G S, P P 160:137 pp, 52 pls, 38 figs (1930)

Matthew, William Diller (1871-1930).

06 Hypothetical outlines of the continents in Tertiary times. Am Mus N H, B 22:353-388, 7 maps (1906) (*abst*) G Zentralbl 11:93 (1908)

13 The asphalt group of fossil skeletons (from Rancho La Brea, Cal.). Am Mus J 13:291-297, il (1913), (*abst*) Sc Progress 8:628 (1913) Nature 92:457, 640 (1913-1914)

16 The grim wolf of the tar pits; the great extinct wolf, *Canis dirus*, from the asphalt deposits at Rancho La Brea, near Los Angeles (Cal.). Am Mus J 16:45-47, il (1916)

16a Scourge of the Santa Monica Mountains (sabre-toothed tiger of Rancho La Brea deposits). Am Mus J 16:469-472, il (1916)

30 A Pliocene mastodon skull from California. *Pliomastodon vexillarius* n sp. Cal Univ, Dp G, B 19:335-348, 4 pls, 2 figs (1930)

30a (and **Stirton, R. A.**) Osteology and affinities of Borophagus. Cal Univ, Dp G, B 19:171-216, 14 pls, 2 figs (1930)

Matthews, R. R.

14 (and **Allen, I. C, Crossfield, A. S., Jacobs, W. A.**) Physical and chemical properties of the petroleum of Cal. U S B M, Tech P 74, 38 pp (1914)

Mathewson, J. D.

65 Vorkommen von Tellurgold und Tellursilber in Californien. Berg und hütten Zeitung 24:374 (1865)

Maxson, John H.

29 Tertic mammalian fauna from Mint Canyon formation of southern California. (Summary statement) Pan Am G 52:159 (1929) (*abst*) G Soc Am, B 41:214-215 (1930) Carnegie Inst, Wash, Pub 404:77-112, 18 figs (1930)

Mayo, Evans B.

29 Stratigraphy and structure of eastern escarpment of Sierra Nevada. (Summary statement) Pan Am G 51:365 (1929) (*abst*) G Soc Am, B 41:145 (1930)

Mead, Elwood.

05 The Irrigation investigations, in California, of the Office of Experiment Stations. Forestry and Irrigation, 11:367-369 (1905) (*abst*) Petermann's Mitt 1903 (Beil zum 49):138-139 (1893)

Means, John H.

99 Map of Oil City Fields, Fresno County. Cal St M Bur, B 15 (1899)

Means, Thomas H.

01 (and **Holmes, J. G.**) Soil survey around Fresno. U S Dp Agr, Bur Soils, 1900, Rp 2:33-384, pls 28-43, 2 maps 21-22 (1901)

02 (and **Holmes, J. G.**) Soil survey around Imperial, Cal. U S Dp Agr, Bur Soils, 1901, Rp 3:587-606, pls 87-95, 2 maps 29-30 (1902)

Meek, C. E.

28 Genesis of the sandstone dike at Newport Beach as indicated by heavy minerals. Am As Petroleum G, B 12:271-277 (March 1928) Petroleum World (Los Angeles) 13:78, 132-133 (June 1928) (*ann*) An Bib Ec G 1:11 (1928) (*abst*) Eng Index 1928:1376 (1929)

Meek, Fielding Bradford (1817-1876).

64 Description of the Carboniferous fossils. Cal G S, Paleontology 1:1-16, il (1864)

64a Description of the Jurassic fossils. Cal G S, Paleontology 1:37-53, il (1864)

64b Check list of the invertebrate fossils of North America; Miocene. Smiths Misc Col 7 (183):32 pp (1864)

65 Descriptions of fossils from the auriferous slates of California. Cal G S, Geology 1:477-482, il (1865)

70 A preliminary list of fossils collected by Dr. Hayden in Colorado, New Mexico, and California, with brief descriptions of a few of the new species. Am Ph Soc, Pr 11:425-431 (1870)

70a Geology of the line of the great Pacific railway. G Mag 7:163-164 (1870)

75 (Description of *Olenus* (*Olenellus gilberti,* Meek.) *In* Gilbert, G. K., Report on the geology of portions of Nevada, Utah, California, and Arizona. (U S Geog G S W 100th Mer), 3:182-183 (1875)

76 Report on the paleontological collections of the expedition. *In* Simpson, J. H., Report of explorations across the Great Basin of the Territory of Utah... in 1859:337-373, il, Washington (1876)

Meek, Fielding Bradford—Cont.

77 Paleontology. U S G Expl 40th Par (King), 4:1-197, il (1877)

Meeks, Reginald.

07 Tungsten. Min Ind, 15:744-749, California 744 (1907)

08 Molybdenum. Min Ind, 16:722-724, California 723 (1908)

Meinzer, Oscar Edward.

18 Bibliography and index of the publications of the United States Geological Survey relating to ground water. U S G S, W-S P 427:169 pp, map (1918)

22 Map of the Pleistocene lakes of the Basin-and-Range province and its significance. G Soc Am, B 33:541-552, 4 figs (1922) (*abst*, with discussion by W. M. Davis) 33:118-120 (1922) (*abst*) G Zentralbl 20:142 (1924)

23 The occurrence of ground water in the United States, with discussion of principles. U S G S, W-S P 489:321 pp 110 figs, 31 pls (incl maps) (1923) (*abst*) G Zentralbl 31:205-206 (1924)

27 Large springs in the United States. U S G S, W-S P 557:94, 17 pls, 23 figs 1927 (*abst*) Rv Geol et Sci conn 8:198-199 (1927)

Melhase, John.

25 Andalusite in California (Inyo Range). Eng M J 120:91-94, 7 figs (1925) (*abst*) G Zentralbl 37:73 (1928)

26 Mining bentonite in California. Eng M J 121:837-842, 4 figs (1926) Min Absts 3:143 (1926) (*abst*) G Zentralbl 35:497-498 (1927)

Melloile, W. H.

72 Tourmaline from Nevada Co., Cal. U S G S, B 90:39 (1892)

Melville, William Harlow.

90 (and **Lindgren, W.**) Contributions to the mineralogy of the Pacific coast. U S G S, B 61: 40 pp (1890)

90a Metacinnabarite from New Almaden, Cal. Am J Sc (3) 40:291-295 (1890)

91 Metacinnabarite from New Almaden, Cal. U S G S, B 78:80-83 (1891)

91a The chemistry of the Mount Diablo rocks. G Soc Am, B 2:402-414 (1891) (*abst*) U S G S, B 78:174 (1891)

Mendenhall, Walter Curran.

05 Development of underground waters in the eastern coastal plain region of southern California. U S G S, W-S P 137: 140 pp, maps (1905)

05a Development of underground waters in the central coastal plain region of southern California. U S G S, W-S P 138: 162 pp, maps (1905)

Mendenhall, Walter Curran—Cont.

05b Development of underground waters in the western coastal plain region of southern California. U S G S, W-S P 139: 105 pp, maps (1905)

05c The hydrology of the San Bernardino Valley, Cal. U S G S, W-S P 142: 124 pp, maps (1905) G Zentralbl 10:456 (1908)

05d Studies of California ground waters. Forestry and Irrigation, 11:382-384 (1905)

05e The underground waters of southern California. The Twelfth National Irrigation Congress at El Paso, Texas, November 15-18, 1904. The official proceedings: 150-158 (1905)

05f Underground waters of southern California. U S G S, W-S P 146:113-121 (1905)

08 Ground waters and irrigation enterprises in the foothill belt, southern California. U S G S, W-S P 219:180 pp (1908) (Review) Am Geog Soc, B 41:29 (1909)

08a Two mountain ranges of southern California (San Bernardino and San Gabriel ranges). (*abst*) G Soc Am, B 18: 660-661 (1908)

08b Preliminary report on the ground waters of San Joaquin Valley, Cal. U S G S, W-S P 222:52 pp (1908) (*abst*) G Zentralbl 13:320 (1909)

09 A phase of ground water problems in the West. Ec G 4:35-45, map (1909) (*abst*) G Zentralbl 14:141 (1910)

09a Some desert watering places in southeastern California and southwestern Nevada. U S G S, W-S P 224:98 pp (1909)

09b Ground waters of the Indio region, Cal., with a sketch of the Colorado desert. U S G S, W-S P 225:56 pp (1909) (*abst*) G Zentralbl 14:140-141 (1910) Nature 84: 122-123 (1910)

09c The Colorado Desert. Nat Geog Mag 20:681-701 (1909)

10 Notes on the geology of Carriso Mountain and vicinity, San Diego Co., Cal. J G 18:336-355 (1910)

12 Southern California Triassic rocks southeast of Los Angeles. U S G S, P P 71:505-506 (1912)

16 (and others) Ground water in San Joaquin Valley, Cal. U S G S, W-S P 398:310 pp, maps (1916) (*abst*) Wash Ac Sc, J 6:502-503 (1916) G Zentralbl 27:109 (1921)

27 Oil possibilities of and area northeast of Petaluma, Sonoma Co., Cal. Am As Petroleum G, B 11:425 (1927)

Mercer, A. Francis.

30 Explanation of Elwood geology. Cal Oil World 22, no 48:9, 10 (June 26, 1930)

Merriam, C. Hart.

09 Ethnological evidence that the California cave skeletons are not human. Science (n s) 29:805-806 (1909)

Merriam, John Campbell.

95 On some reptilian remains from the Triassic of northern California. Am J Sc (3) 50:55-57, il (1895)

96 *Sigmogomphius Le Contei,* a new castoroid rodent from the Pliocene near Berkeley, Cal. Cal Univ, Dp G, B 1:363-370, il (1896)

96a Note on two Tertiary faunas from the rocks of the southern coast of Vancouver Island. Cal Univ, Dp G, B 2:101, 108 (1896)

97 The geologic relations of the Martinez group of California at the typical locality. J G 5:767-775 (1897)

97a New species of Tertiary Mollusca from Vancouver Island. Nautilus 11:64-65 (1897)

98 The distribution of the Neocene sea urchins of middle California and its bearing on the classification of the Neocene formations. Cal Univ, Dp G, B 2:109-118 (1898)

98a Fossils from the San Pablo formation, California. J G 6:494-495 (1898)

99 The Tertiary sea urchins of middle California. Cal Ac Sc, Pr (3) G 1:161-174, il (1899) (*abst*) N Jb 1901, Band 2, Ref: 324-325 (1901)

99a The fauna of the Sooke beds of Vancouver Island. Cal Ac Sc, Pr (3) G 1:175-180, pl 23 (1899)

99b Report of the expedition to the John Day fossil fields. Cal Univ Chronicle 2, no 3:217 (1899)

00 List of fossils in the oil and gas yielding formations of California. Cal St M Bur, B 19:218-224 (1900)

00a Ground sloths in the California Quaternary. G Soc Am, B 11:612-614, il (1900) (*abst*) Science (n s) 11:219 (1900)

00b Classification of the John Day Beds. Science (n s) 11:220 (February 9, 1900)

01 Triassic reptilia from northern California. Science (n s) 15:411 (1901)

01a A contribution to the geology of the John Day Basin. Cal Univ, Dp G, B 2:269-314 (1901) (*abst*) G Zentralbl 4:92 (1903)

01b The geological work of Professor Joseph Le Conte. Univ Cal Mag, p 214 (September, 1901)

01c The John Day fossil beds. Harper's Mag 102:581-590 (1901) (*abst*) G Zentralbl 9:653 (1907)

01d Geology in California. Univ Cal Mag, p 192 (May, 1901)

02 Triassic Ichthyopterygia from California and Nevada. Cal Univ, Dp G, B

Merriam, John Campbell—Cont.

3:63-108, il (1902) (*absts*) Science (n s) 15:411-412 (1902) N Jb Ref 1906, pt 1:147-150 (1906) G Zentralbl 4:401 (1903) Rv crit Paleozool 7:133-134 (1903)

03 New Ichthyosauria from the upper Triassic of California. Cal Univ, Dp G, B 3:249-263, il (1903) (*absts*) N Jb Ref 1906, pt 1:150 (1906); G Zentralbl 6:426 (1905); Rv crit Paleozool 7:193-194 (1903); Jahresber Anat Entwickl (N F) 9, pt 3:164-165

03a The Pliocene and Quaternary Canidae of the Great Valley of California. Cal Univ, Dp G, B 3:277-290, il (1903) (*absts*) N Jb Ref 1904, pt 2:469-470 (1904) G Zentralbl 5:39 (1904) Rv crit Paleozool 8:77 (1904) Jahresber Anat Entwickl (N F), 9, pt 3:183

03b (and **Sinclair, W. J.**) The correlation of the John Day and the Mascall. (*abst*) J G 11:95-96 (1903) (*abst*) G Zentralbl 9:653 (1907)

03c Recent literature on Triassic Ichthyosauria. Science (n s) 18:311-312 (1903)

04 A note on the fauna of the lower Miocene in California. Cal Univ, Dp G, B 3:377-381 (1904)

04a A new group of marine reptiles from the Upper Triassic of California. Science (n s) 19:218 (1904)

04b A new marine reptile from the Triassic of California (*Thalattosaurus alexandrae*). Cal Univ, Dp G, B 3:419-421, il (1904) (*absts*) G Zentralbl 9:661 (1907) Rv crit Paleozool 9:73-74 (1905) J G 13:183 (1905)

04c The types of limb-structure in the Triassic Ichthyosauria. Am J Sc (4) 19:23-30 (January, 1905)

04d The primitive characters of the Triassic Ichthyosauria. (*abst*) G Soc Am, B 14:536 (1902)

04e *Review* of R. Arnold's, The paleontology and stratigraphy of marine Pliocene and Pleistocene of San Pedro. Science (n s) 19:540 (1904)

05 The Thalattosauria, a group of marine reptiles from the Triassic of California. Cal Ac Sc, Mem 5:1-52, il (1905) (*absts*) Science (n s) 19:218 (1904) Am J Sc (4) 20:161 (1905) Knowledge 2:208 (1882) Rv crit Palezool 9:122 (1905)

05a A new sabre-tooth from California. Cal Univ, Dp G, B 4:171-175 (1905) (*absts*) N Jb Ref 1911, pt 1:133 (1911) Rv crit Palezool 10:15 (1906)

05b A new group of marine reptiles from the Triassic of California (*Thalattosaurus*). Int Cong Zool, 6th, C R:247-248 (1905)

05c A primitive Ichthyosaurian limb from the Middle Triassic of Nevada. Cal Univ, Dp G, B 4:33-38 (1905)

Merriam, John Campbell—Cont.

06 Recent discoveries of Quaternary mammals in southern California. Science (n s) 24:248-250 (1906)

06a Recent cave exploration in California. Am Anthropologist (n s) 8:221-228 (1906)

06b On the occurrence of *Desmostylus* Marsh. Science (n s) 24:151 (August 3, 1906)

06c Carnivora from the Tertiary formations of the John Day region. Cal Univ, Dp G, B 5:1-64, pls 1-6 (1906)

06d Preliminary note on a new marine reptile from the Middle Triassic of Nevada. Cal Univ, Dp G, B 5:71-79, pls 8-9 (1906)

07 (and **Sinclair, W. J.**) Tertiary faunas of the John Day region. Cal Univ, Dp G, B 5:171-205 (1907) (*abst*) G Zentralbl 11:419 (1908)

07a The occurrence of Middle Tertiary mammal-bearing beds in northwestern Nevada. Science (n s) 26:380 (September 20, 1907)

08 Death trap of the ages (asphalt beds at Rancho La Brea, Cal.). Sunset Mag 21:465-475, il (1908) (*abst*) G Mag (5) 6:228 (1909)

08a Triassic Ichthyosauria, with special reference to the American forms. Cal Univ, Mem 1:1-196, il (1908)

08b Notes on the osteology of the Thalattosaurian genus *Nectosaurus*. Cal Univ, Dp G, B 5:217-223, 2 pls (1908) (*absts*) G Zentralbl 12:221-222 (1909) Rv crit Palezool 13:12 (1909)

09 Note on the occurrence of human remains in Californian caves. Science (n s) 30:531-532 (1909)

09a A death trap which antedates Adam and Eve; the discovery of a Californian tar swamp that holds the bones of extinct monsters. Harpers Weekly 53:11-12, il (December 18, 1909)

09b The skull and dentition of an extinct cat related to *Felix atrox* Leidy. Cal Univ, Dp G, B 5:291-304, 1 pl (1909) (*absts*) N Jb Ref 1911, pt 1:134 (1911) G Zentralbl 14:488 (1910) Rv crit Paleozool 14:12 (1908) Am J Sc (4) 28:501 (1909) Sc Progress 4:653 (1910)

09c The occurrence of Strepsicerine antelopes in the Tertiary of northwestern Nevada. Cal Univ, Dp G, B 5:319-330 (1909) (*abst*) G Zentralbl 14:489 (1910)

10 New Mammalia from Rancho La Brea. Cal Univ, Dp G, B 5:391-395 (1910) (*abst*) G Zentralbl 15:62 (1910)

10a The true story of the Calaveras skull. Sunset Mag 24:153-158 (1910)

10b Synopsis of lectures in paleontology. Cal Univ, Series Syllabuses, Synopsis no 20 (1910)

Merriam, John Campbell—Cont.

10c The skull and dentition of a primitive Ichthyosaurian from the Middle Triassic. Cal Univ, Dp G, B 5:381-390, pl 40 (January 21, 1910) (*abst*) G Zentralbl 15:218 (1911)

10d Tertiary mammal beds of Virgin Valley and Thousand Creek in northwestern Nevada. Part 1, Geologic history. Cal Univ, Dp G, B 6:21-53, pls 1-12 (November 30, 1910) G Zentralbl 19:384 (1913)

11 (and **Bryant**, Harold C.) Notes on the dentition of *Omphalosaurus*. Cal Univ, Dp G, B 6:329-332 (1911)

11a Note on a gigantic bear (*Arctotherium californicum*) from the Pleistocene of Rancho La Brea, Cal. Cal Univ, Dp G, B 6:163-166, il (1911)

11b A collection of mammalian remains from Tertiary beds of the Mohave Desert Cal Univ, Dp G, B 6:167-169, il (1911) G Zentralbl 17:37 (1911)

11c Notes of the genus *Desmostylus* of Marsh. Cal Univ, Dp G, B 6, no 18:403-412, 11 figs (1911)

11d The fauna of Rancho La Brea; Part I, Occurrence. Cal Univ, Mem 1: 197-213, il (1911) (Review) Rv crit Paleozool 16:83 (1912) G Zentralbl 18:511 (1913)

11e Tertiary mammal beds of Virgin Valley and Thousand Creek in northwestern Nevada. Part 2, Vertebrate faunas. Cal Univ, Dp G, B 6:199-304, pls 32-33 (September 16, 1911)

11f Notes on the relationships of the marine Saurian fauna described from the Triassic of Spitzbergen by Wiman. Cal Univ, Dp G, B 6:317-327, 6 figs (October 28, 1911)

12 The fauna of Rancho La Brea; Part 2, Canidae. Cal Univ, Mem 1:215-272, il (1912) (*abst*) G Zentralbl 19:400 (1913); Sc Progress 8:5 (1913) Rv crit Paleozool 17:4 (1900)

12a Recent discoveries of Carnivora in the Pleistocene of Rancho La Brea. Cal Univ, Dp G, B 7:39-46, il (1912) G Zentralbl 19:442 (1913)

12b Ten years' progress in vertebrate paleontology; marine reptiles. G Soc Am, B 23:221-223 (1912)

12c History of study of marine reptiles for the past decade. *In* Ten years' progress in vertebrate paleontology. G Soc Am, B 23:221-223 (1912)

13 Tapir remains from late Cenozoic beds of the Pacific coast region. Cal Univ, Dp G, B 7:169-175, il (1913) (*abst*) G Zentralbl 20:703 (1914) Nature 92:514 (1914)

13a Notes on the canid genus Tephrocyon. Cal Univ, Dp G, B 7:359-372, 16 figs (1913) (*abst*) G Zentralbl 20:703 (1914)

13b (and **Pack**, R. W.) Suggested paleontologic correlation between continental Miocene deposits of the Mohave region and marine Tertiary beds of San Joaquin Valley, Cal. (*abst*) G Soc Am, B 24: 128 (1913)

Merriam, John Campbell—Cont.

13c Vertebrate fauna of the Orindan and Siestan beds in middle California. Cal Univ, Dp G, B 7:373-385, il (1913) (*absts*) Rv crit Palezool 20:42 (1916) G Zentralbl 21:38 (1915)

13d Preliminary report on the horses of Rancho La Brea. Cal Univ, Dp G, B 7:397-418, il (1913) (*absts*) Rv crit Palezool 19:10 (1915) L'Anthrop, Paris 26:567 (1915) G Zentralbl 21:223 (1915)

13e New anchitheriine horses from the Tertiary of the Great Basin area. Cal Univ, Dp G, B 7:419-434, il (1913) (*absts*) Rv crit Palezool 19:8 (1915) G Zentralbl 21:233 (1915)

13f New protohippine horses from Tertiary beds on the western border of the Mohave Desert. Cal Univ, Dp G, B 7:435-441, il (1913) (*absts*) Rv crit Palezool 19: 9 (1915) G Zentralbl 21:234 (1915)

13g A peculiar horn or antler from the Mohave Miocene of California. Cal Univ, Dp G, B 7:335-339, il (1913) (*abst*) Rv crit Palezool 20:43 (1916) G Zentralbl 20: 703 (1914)

13h The skull and dentition of a camel from the Pleistocene of Rancho La Brea. Cal Univ, Dp G, B 7:305-323, il (1913) (*absts*) G Zentralbl 20:703 (1914) Rv crit Palezool 17:202 (1913)

13i The remarkable extinct fauna of southern California revealed in the asphalt deposits near Los Angeles. (*abst*) Science (n s) 38:314 (1913)

14 Preliminary report on the discovery of human remains in an asphalt deposit at Rancho La Brea (Cal.). Science (n s) 40:198-203 (1914) (*abst*) S Cal Ac Sc, B 13:27-29 (1914) G Zentralbl 27:268 (1922)

14a Correlation between the Tertiary of the Great Basin and that of the marginal marine province in California. Science (n s) 40:643-645 (1914) G Zentralbl 27:261 (1922)

14b Vertebrate fauna of the Orindan and Siestan formation. (*abst*) G Soc Am, B 25:156 (1914)

14c Vertebrate fossils found in region about San Francisco, Cal. U S G S, Folio 193:13-15 (1914)

14d (with **Lawson**, Andrew C., and others) Geology of Concord quadrangle. U S G S, G Atlas, San Francisco, Fol 193:24 pp, 1 sheet of il, 15 maps (1914)

14e The occurrence of Tertiary mammalian remains in northeastern Nevada. Cal Univ, Dp G, B 8:275-281 (1914)

15 (and others) Nature and science on the Pacific coast; a guidebook for scien-

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tific travelers in the West. Edited under the auspices of the Pacific coast committee of the American Association for the Advancement of Science. 302 pp, San Francisco (1915) G Zentrabl 27:303 (1922)

15a Significant features in the history of life on the Pacific coast. *In* Nature and science on the Pacific coast: 88-103. San Francisco (1915) G Zentralbl 27:303 (1922)

15b Tertiary vertebrate faunas of the North Coalinga region of California. Am Ph Soc Tr (n s) 22:191-234, il (1915) G Zentralbl 27:303 (1922)

15c New species of the *Hipparion* group from the Pacific coast and Great Basin provinces of North America. Cal Univ, Dp G, B 9:1-8, il (1915), (*absts*) Rv crit Palezool 21:86 (1917) G Zentralbl 29: 473 (1923)

15d New horses from the Miocene and Pliocene of California. Cal Univ, Dp G, B 9:49-58, il (1915) (*absts*) Rv crit Palezool 21:86 (1917) G Zentralbl 29:473 (1923)

15e Remains of land mammals from marine Tertiary beds in the Tejon Hills, Cal. Cal Univ, Dp G, B 8:283-288, il (1915) (*abst*) Rv crit Palezool 20:42 (1916) G Zentralbl 29:439 (1923)

15f Extinct faunas of the Mohave Desert, their significance in a study of the origin and evolution of life in America. Pop Sc Mo 86:245-264, il (1915)

15g Relation of the Tertiary geolgical scale of the Great Basin to that of the Pacific coast marginal province. (*abst*) G Soc Am, B 26:136-137 (1915)

15h Antiquity of man in California from the point of view of the paleontologist. (*abst*) Science (n s) 42:543-544 (1915)

15i An occurrence of mammalian remains in a Pleistocene lake deposit at Astor Pass, near Pyramid Lake, Nevada. Cal Univ, Dp G, B 8:377-384, pl 41, 3 text figs (February 25, 1915)

15j Rancho La Brea. Univ Cal Blue and Gold, p 8 (May, 1915)

16 Relationship of *Equus* to *Pliohippus* suggested by characters of a new species from the Pliocene of California. Cal Univ, Dp G, B 9:525–534, il (1916) (*absts*) Rv crit Paleozool 21:86 (1917) G Mag (6) 3:283 (1916)

16a Mammalian remains from the Chanac formation of the Tejon Hills, Cal. Cal Univ, Dp G, B 10:111-127, il (1916) (*abst*) Rv crit Paleozool 21:86 (1917) G Zentralbl 29:445 (1923)

16b *Hipparion*-like horses of the Pacific coast and Great Basin provinces. (*abst*) G Soc Am, B 27:171 (1916)

16c (with **Stock**, Chester, and **Moody**, C. L.) Fauna of the Rodeo Pleistocene. (*abst*) G Soc Am, B 27:169-170 (1916)

Merriam, John Campbell—Cont.

16d (and **Camp**, Charles L.) Recent studies on skull structure of *Thalattosaurus*. (*abst*) G Soc Am, B 27:171 (1916)

16e Tertiary vertebrate from the Cedar Mountain region of western Nevada. Cal Univ, Dp G, B 9:161-198, 1 pl, 48 text figs (February 22, 1916) (*abst*) G Zentralbl 29:445 (1923)

16f Mammalian remains from a late Tertiary formation at Ironside, Oregon. Cal Univ, Dp G, B 10:129-136, text fig 3 (December 23, 1916) (*abst*) G Zentralbl 29:445 (1923)

16g (with **Stock**, Chester, **Moody**, Clarence L.) An American Pliocene bear. Cal Univ, Dp G, B 10:87-109, 23 text figs (1916) (*abst*) G Zentralbl 29:446 (1923)

17 Relationship of Pliocene mammalian faunas from the Pacific coast and Great Basin provinces of North America. Cal Univ, Dp G, B 10:421-443 (1917) G Zentralbl 29:469 (1923) Rv Geol et Sci conn 2:331 (1921)

17a Pliocene mammalian faunas of North America. (*abst*) G Soc Am, B 28:196 (1917)

17b Felidae of Rancho La Brea. (*abst*) G Soc Am, B 28:211 (1917)

17c (and **Stock**, C.) Fauna of the Pinole tuff. (*abst*) G Soc Am, B 28:230 (1917)

17d (and **Buwalda**, John P.) Age of strata referred to the Ellensburg formation in the White Bluffs of the Columbia River. Cal Univ, Dp G, B 10:255-266, pl 13 (April 14, 1917) (*abst*) G Zentralbl 29: 437 (1923)

17e Scientific research. Commonwealth Club of California, Tr 7:69-70 (April, 1917)

18 New puma-like cat from Rancho La Brea. Cal Univ, Dp G, B 10:535-537, il (1918) (*abst*) G Zentralbl 29:473 (1923)

18a New mammalia from the Idaho formation. Cal Univ, Dp G, B 10:523-530, 5 text figs (April 20, 1918) (*abst*) Rv Geol et Sci conn 2:330-331 (1921)

18b Note on the systematic position of the wolves of the Canis Dirus group. Cal Univ, Dp G, B 10:531-533 (April 20, 1918) (*abst*) G Zentralbl 29:473 (1923)

18c Evidence of mammalian paleontology relating to the age of Lake Lahontan. Cal Univ, Dp G, B 10:517-521 (September 4, 1918)

19 Tertiary mammalian faunas of the Mohave Desert. Cal Univ, Dp G, B 11: 437a-437e, 438-585, il (1919) (*absts*) Rv Geol et Sci conn 4:107-108 (1923) G Zentralbl 30:20-22 (1924), (Reviews) Am J Sc (4) 48:399 (1919) Rv crit Paleozool 27:25 (1921)

21 (and **Stock**, Chester) Occurrence of Pleistocene vertebrates in an asphalt deposit near McKittrick, Cal. Science (n s) 54:566-567 (1921)

Merriam, John Campbell—Cont.

21a (and **Stock**, Chester) Notes on the peccary remains from Rancho La Brea. Cal Univ, Dp G, B 13:9–17, il (1921) (*abst*) G Zentralbl 29:446 (1923) Rv Geol et Sci conn 3:689 (1922)

21b An outline of progress in paleontological research on the Pacific coast. Cal Univ, Dp G, B 12: 237-266 (1921)

21c Origin and history of the bear family in the western hemisphere, with particular reference to the relation of this question to problems of geographical history. Nat Ac Sc, Pr 7:183-185 (July, 1921)

22 Fauna of the Pleistocene asphalt deposits of McKittrick, Cal. (*abst*) Science (n s) 55:493-494 (1922)

23 The cats of Rancho La Brea (California). (*abst*) Wash Ac Sc, J 13:238 (1923)

24 Present status of investigations concerning antiquity of man in California. Science (n s) 60:1-2 (1924)

25 (and **Stock**, Chester) Relationships and structure of the short-faced bear, *Arctotherium*, from the Pleistocene of California. Carnegie Inst, Wash, Pub 347:1-35, 5 figs, 10 pls (1925)

25a (and **Stock**, Chester) A llama from the Pleistocene of McKittrick, Cal. Carnegie Inst, Wash, Pub 347:37-42, 4 figs (1925)

25b Address on earthquake studies. Commonwealth Club of California, Tr 20: 208-214 (1925)

25c (and **Stock**, Chester, and **Moody**, C. L.) The Pliocene Rattlesnake formation and fauna of eastern Oregon, with notes on the geology of the Rattlesnake and Mascall deposits. Carnegie Inst, Wash, Pub 347:45-92, 45 figs (October 8, 1925)

26 Problem of the Pliocene in the Pacific Coast and Great Basin regions. (*abst*) G Soc Am, B 37:156 (1926) Pan Am G 45:159-160 (1926) G Zentralbl 37:49 (1928)

27 (and **Stock**, Chester) A Hyaenarctid bear from the later Tertiary of the John Day Basin of Oregon. Carnegie Inst, Wash, Pub 346:6 pp, 1 pl (June, 1927)

27a The cave of the magic pool. Scribner's Magazine 82, no 3:264-272 (September, 1927)

28 (and **Gilmore**, Charles W.) An Ichthyosaurian reptile from marine Cretaceous of Oregon. Carnegie Inst, Wash, Pub 393:1-4 (May 14, 1928)

Merrill, Charles White.

30 Tin. U S B M, Min Res, Calendar year 1928:321-346, California 324 (1930)

Merrill, Frederick James Hamilton (1861-1916).

16 San Diego, Imperial counties. Cal St M Bur, St Mineralogist's Rp 14:635-743 (1916) issued as separate under title Mines and Mineral Resources of the counties of San Diego, Imperial (December, 1914) G Zentralbl 27:395 (1922)

19 Los Angeles, Orange and Riverside Counties. Cal St Min Bur, St Mineralogist's Rp 15:461-589 (1919) issued as separate under title Mines and Mineral Resources of Los Angeles County, Orange County, Riverside County (1916) (*abst*) Eng Index 1918:325 (1919)

19a (with **Cloudman**, H. C., and **Huguenin**, E.) San Bernardino County. Cal St M Bur, St Mineralogist's Rp 15:775-899 (1919) issued as separate under title Mines and Mineral Resources of San Bernardino County, Tulare County (1916) (*abst*) Eng Index 1918:325 (1919)

Merrill, George Perkins.

88 On a new meteorite from the San Emigdio Range, San Bernardino Co., Cal. Am J Sc (3) 35:490-491 (1888)

89 The collection of building and ornamental stones in the U S National Museum. A handbook and catalogue. Smiths Inst, An Rp 1886 (part 2):277-648, pls 1-9 (1889)

89a On the San Emigdio (San Bernardino Co., Cal.) Meteorite. U S Nat Mus, Pr 11:161-167 (1889)

93 The onyx marbles: their origin, composition and uses, both ancient and modern. U S Mat Mus, An Rp for 1893, California 564-566 (1895)

94 Onyx. Min Ind, 2:481-486, California 482, 485 (1894)

94a (and **Emmons**, S. F.) Geological sketch of Lower California. G Soc Am, B 5:489-514, map (1894) (*abst*) Am G 13:209-210 (1894)

06 Contributions to the history of American geology. U S Nat Mus, An Rp, 1904: 189-733, 37 pls, 141 figs, California 427, 435-437, 515-517 (1906) (*abst*) G Zentralbl 10:239-240 (1908)

16 Handbook and descriptive catalogue of the meteorite collections in the United States National Museum. U S Nat Mus, B 94:207 pp, California 52, 142, 150, 185, 197 (1916) (*abst*) G Zentralbl 27:98-99 (1921)

20 Contributions to a history of American State Geological and Natural History Surveys. U S Nat Mus Smithsonian Inst, B 109:544 pp, California 27-45 (1920) (*abst*) G Zentralbl 27:127 (1921)

22 A new meteoric iron (Owens Valley, Cal.). Am J Sc (5) 3:225 (1922) Min Absts 2:34-35 (1923)

Merrill, George Perkins—Cont.

22a A meteoric iron from Owens Valley, Cal. Nat Ac Sc, Mem 19, 4th mem: 7 pp, 2 pls (1922) (*abst*) Rv Geol et Sci conn 3:701-702 (1922)

24 The first one hundred years of American geology. 773 pp, California 290, 304, 306, 407-411, Yale University Press (1924) (*abst*) G Zentralbl 31:479-480 (1925) (Review by A. Strahan) Nature 115:972-975 (1925)

Mesmer, Louis.

02 (and **Holmes**, J Garnett) Soil survey of the Ventura area, Cal. U S Dp Agr, Bur Soils, 1901, Rp 3:521-557, pls 73-74, 2 maps 26-27 (1902)

04 Soil survey of the Los Angeles area, Cal. U S Dp Agr, Bur Soils, 1903, Rp 5:1263-1306, 2 maps (nos 77-78), (1904)

Messer, L. R.

29 (and **Davis**, C. W.) Some properties of fuller's earth and acid-treated earths as oil refining absorbents. Am I M Eng, Tr (Year Book) 288-302, 6 figs, 2 tables (1929)

Metcalf, Woodbridge.

23 An ancient pine cone (Oakland, Cal.). Am Forestry, 29:172, 1 fig (March, 1923)

Meyer, Helena M.

24 (and **Jenison**, H. A. C.) Pyrite. U S G S, Min Res, Calendar Year 1921:169-173, California 172 (1924)... 1922:177-181, California 180 (1925)

27 Copper. U S G S, Min Res, Calendar Year 1923:183-234, California 185, 191-195, 210-212 (1927)... U S B M, Min Res, 1924: 367-418, California 369, 375-380, 394-396 (1927)

27a Sulphur and pyrites. U S B M, Min Res, Calendar Year 1924:1-5, California 4 (1927)... 1925:385-391, California 390 (1928)

28 (and **Julihn**, C. E.) Copper. U S B M, Min Res, Calendar Year 1925: 347-408, California 350, 362-367, 383-385 (1928)... 1926:559-615, California 562, 571-579, 592-594 (1929)... 1927:677-729, California 686-694, 707-708 (1929)

29 (and **Julihn**, C. E.) Pyrites. U S B M, Min Res, Calendar Year 1926:295-301, California 300 (1929)

Meyer, W. W.

30 (and **Dietrich**, W. F.) An investigation of the possible use of certain California clays in vitreous china sanitary-ware bodies. Am Ceramic Soc, J 13:202-217 (1930)

Michelin, James.

28 Sulphur Mountain. Oil Bull 14, no 2: 129, 204 (February, 1928) (*ann*) An Bib Ec G 1:228 (1928)

Michler, N.

57 From the one hundred and eleventh meridian to the Pacific Ocean. U S and Mexican Boundary Surv. by Emory, Report 1:101-125. 4°, Washington (1857)

Middleton, Jefferson.

95 Clay and clay products. U S G S, An Rp 16, pt 4:517-523, California 518, 519, 520, 521 (1895); 20, pt 6:465-538, California 465-514 (1899)

01 Clay and clay products. U S G S, Min Res, Calendar Year 1900:693-736, California 696, 698, 702-703, 708-710, 712, 716-717, 722, 724, 731-733 (1901)... 1901:671-720, California 674-675, 677, 682-684, 686-688, 693, 700-701, 704, 707, 711-713 (1902)... 1902: 703-776, California 707, 709, 715, 717, 719, 721, 726, 734-735, 738, 742, 747-748, 756 (1904)... 1903:791-882, California 796, 799, 805, 807, 809-811, 816, 824-825, 828, 833, 835, 840, 860-861 (1904)... 1904:843-908, California 850, 852, 859, 861, 863-865, 871, 882-883, 886, 892, 902, 907-908 (1905)... 1905:945-1002, California 949-950, 955, 957-959, 969-970, 978, 999 (1906)... 1906: 933-983, California 938, 940, 945, 950-952, 962-963, 968, 982 (1907)... 1907:495-544, California 500-502, 505, 510-513, 522-523, 529, 542 (1908)... 1908:455-504, California 456, 458, 462, 467-469, 478-479, 485, 498 (1909)... 1909: 453-517, California 455-456, 460, 465-467, 478-479, 485, 515 (1911)... 1910:537-600, California 538-539, 543, 548-550, 559-560, 565, 582 (1911)... 1911:521-584, California 523-525, 528-529, 533-536, 546-547, 551-552, 568 (1912)... 1912:525-620, California 527-528, 532, 537-540, 550-551, 554, 560-561, 592 (1913)... 1913:545-637, California 547-549, 553, 558-560, 562, 564, 565, 573-574, 577, 584-585, 618 (1914)... 1914:455-548, California 457-458, 463-464, 468-470, 474, 481-482, 485, 492-493, 525 (1916)... 1915:859-926, California 861-862, 871-873, 875, 877, 883-884, 889-890, 907 (1917)... 1916:511-583, California 514, 521, 525-529, 538-539, 544, 564 (1919)... 1917:521-582, California 524, 534-540, 552, 553, 559, 564 (1920)... 1918:857-944, California 866, 879-882, 884, 889, 899-900, 909, 916, 923 (1921)... 1920:323-359, California 326, 336-341, 343, 348, 349, 356, 359 (1922)... 1921:105-110, California 107-108 (1924)... 1922:73-80, California 77-78 (1925)... U S B M, Min Res, 1924:113-120, California 117-118 (1927)... 1925:117-125, California 121, 139, 144 (1928)... 1926:151-158, California 154, 156 (1929)... 1927:257-268, California 259, 262, 264 (1929)... 1928: 187-196 California 188, 190, 192 (1929)

11 Fuller's earth. U S G S, Min Res, Calendar Year 1910:841-846, California 843 (1911)... 1911:1031-1035, California 1031-1033 (1912)... 1912:1017-1022, California 1017, 1019, 1020 (1913)... 1913:109-115, California 109, 111-112 (1914)... 1914:35-40,

Middleton, Jefferson—Cont.

California 35, 37-38 (1916)... 1916:239-241, California 239-241 (1919)... 1917:253-255, California 253-254 (1920)... 1918:135-140, California 136-137 (1921)... 1919:257-264, California 257 (1922)... 1920:39-40, California 40 (1923)... 1922:69-71, California 70 (1925)...U S B M, Min Res, 1924:7-9, California 7-8 (1927)... 1925:25-28, California 25-26 (1928)... 1926:9-12, California 10-11 (1929)

11a Sand-lime brick. U S G S, Min Res, Calendar Year 1909:551-555, California 554-555 (1911)... 1910:623-626, California 624-625 (1911)... 1913:17-22, California 18-20 (1914)... 1914:1-7, California 3-4 (1916)... 1915:7-8, California 8 (1917)... 1916:5-6, California 6 (1919)... 1917:205-206, California 206 (1920)... 1918:5-6, California 6 (1921)... 1919:237-238, California 237-238 (1922)... 1920:37-38, California 38 (1923)

12 Feldspar. U S G S, Min Res, Calendar Year 1911:1023-1027, California 1023-1025 (1912)... 1923:285-291, California 287-288 (1927)... U S B M, Min Res, 1924:19-25, California 19-20, 22 (1927)... 1925:39-46, California 40, 42 (1928)... 1926:109-117, California 111, 113 (1929)... 1927:57-65, California 58, 59, 61 (1928)

28 Gypsum. U S B M, Min Res, Calendar Year 1925:165-170, California 166 (1928)

29 (and **Bowles**, Oliver) Feldspar. U S B M, Min Res, Calendar Year 1928:67-80, California 73, 76 (1929)

29a (and **Santmyers**, R. M.) Gypsum. U S B M, Min Res, Calendar Year 1926: 141-150, California 143, 146 (1929)... 1927: 113-128, California 115-116 (1930)... 1928: 155-174, California 157, 159, 161, 166, 167 (1929)... 1929:105-118, California 106, 108 (1930)

Miller, Alden H.

29 The passerine remains from Rancho La Brea, in the paleontological collections of the University of California. Cal Univ, Dp G, B 19:1-22, 1 pl (1929)

Miller, Benjamin L.

14 Graphite. Min Ind, 22:361-371, California 367 (1914)

15 Graphite. Min Ind, 23:371-382, California 380 (1915)... 26:302-312 California 303, 305 (1918)... 27:332-342, California 338 (1919)... 29:326-339, California 332 (1921)... 36:269-277, California 271 (1928)

24 Graphite. Eng M J 117:95 (January 19, 1924) 127:96 (January 19, 1929)

Miller, Elmer I.

01 A week in the Mount Lassen and Cinder Cone region of northern California. Am Bur Geog, B 2:150-156 (1901)

Miller, Loye Holmes.

09 *Pavo californicus*, a fossil peacock from the Quaternary asphalt beds Rancho La Brea. Cal Univ, Dp G, B 5:285-289, il (1909) (*abst*) Rv crit Paleozool 14:13 (1909) Sc Progress 4:666 (1910) G Zentralbl 14:489 (1910)

09a *Teratornis*, a new avian genus from Rancho La Brea. Cal Univ, Dp G, B 5: 305-317, il (1909) (*abst*) N Jb Ref 1911, pt 1:314 (1911) G Zentralbl 14:340 (1910) Rv crit Paleozool 14:12 (1910) Am J Sc (4) 28:501-502 (1909) Sc Progress 4:667 (1910)

10 Wading birds from the Quaternary asphalt beds of Rancho La Brea. Cal Univ, Dp G, B 5:439-448, il (1910) (*abst*) G Zentralbl 15:651 (1911) Sc Progress 5: 675 (1911) N Jb Ref 1911, pt 1:314 (1911) Rv Crit Paleozool 15:146 (1911)

10a The condor-like vultures of Rancho La Brea. Cal Univ, Dp G, B 6:1-19, il (1910) (*abst*) G Zentralbl 17:40 (1911) N Jb Ref 1911, pt 1:313 (1911) Rv crit Paleozool 15:146 (1911)

10b Fossil birds from the Quaternary of southern California. Condor 12:12-15 (1910)

11 A synopsis of our knowledge concerning the fossil birds of the Pacific coast of North America. Condor (Hollywood, Cal) 13:117-118 (1911)

11a Avifauna of the Pleistocene cave deposits of California. Cal Univ, Dp G, B 6:385-400, il (1911) (*abst*) N Jb Ref 1911, pt 2:475 (1911) G Zentralbl 18:669 (1913)

11b A series of eagle tarsi from the Pleistocene of Rancho La Brea, Cal. Cal Univ, Dp G, B 6:305-316, il (1911) (*abst*) N Jb Ref, 1911, pt 2:475 (1911) G Zentralbl 18:670 (1913) Sc Progress 6:565 (1912) (Review) Rv crit Palezool 16:86 (1912)

12 Contributions to avian paleontology from the Pacific coast of North America. Cal Univ, Dp G, B 7:61-115 (1912) (*abst*) G Soc Am, B 24:132 (1913)

14 Bird remains from the Pleistocene of San Pedro, Cal. Cal Univ, Dp G, B 8:31-38 (1914) (*abst*) Rv crit Paleozool 19:11 (1915) G Zentralbl 21:621 (1915) 29:476 (1923)

15 A walking eagle from Rancho La Brea. Condor 17:179-181, il (1915)

15a The fauna of California. *In* Z. S. Eldredge's History of California 5: 51-76 (1915)

16 A review of the species *Pavo californicus* (Rancho La Brea, Cal.). Cal Univ, Dp G, B 9:89-96, il (1916) (*abst*) G Soc Am, B 27:171 (1916) Rv crit Paleozool 21:55 (1917) G Zentralbl 29:476 (1923) G Mag (6) 3:283 (1916)

16a The owl remains from Rancho La Brea (Cal.). Cal Univ, Dp G, B 9:97-

Miller, Loye Holmes—Cont.

104 (1916) (*abst*) Rv crit Paleozool 21:88 (1917) G Zentralbl 29:476 (1923)

16b Two vultrid raptors from the Pleistocene of Rancho La Brea. Cal Univ, Dp G, B 9:105-109 (1916) (*abst*) G Zentralbl 29:476 (1923)

21 Synopsis of California's fossil birds. Condor 23:129-130 (1921)

21a Bird remains from asphalt deposit at McKittrick, Cal. Science (n s) 54:567 (1921)

21b Asphalt beds of Rancho La Brea (Cal.). (*abst*) Wash Ac Sc, J 11:262-263 (1921)

22 Fossil birds from the Pleistocene of McKittrick. Condor 24:122-125 (1922) (*abst*) G Zentralbl 33:92 (1926)

23 California's ancient bird life. Cal Univ Chronicle, 1923:345-355 (1923)

24 *Branta dickeyi* from the McKittrick Pleistocene. Condor 26:178-180, 4 figs (1924)

25 Avifauna of the McKittrick Pleistocene. Cal Univ, Dp G, B 15:307-326, 3 figs (1925) G Zentralbl 33:91 (1926) ... 36:472-473 (1928)

25a Avian remains from the Miocene of Lompoc, Cal. Carnegie Inst, Wash, Pub 349:107-117, 1 fig, 9 pls (1925) (*abst*) G Zentralbl 36:471 (1928)

25b The birds of Rancho La Brea, Cal. Carnegie Inst, Wash, Pub 349:63-106, 20 figs, 6 pls (1925) (*abst*) G Zentralbl 36:470-471 (1928)

25c Cheudytes, a diving goose from the California Pleistocene. Condor 27:145-147 (1925)

27 Bird remains (at Carpinteria, Cal.). Science (n s) 66:156 (1927)

27a The falcons of the McKittrick Pleistocene. Condor 24:150-152 (1927)

28 Generic reassignment of the Morphnus daggetti. Condor 30:255-256 (1928)

29 A new cormorant from the Miocene of California. Condor 31:167-172 (1929)

30 Further bird remains from the upper San Pedro Pleistocene. Condor 32:116-118 (1930)

30a A fossil goose from the Ricardo Pliocene. Condor 32:208-209 (1930)

Miller, William John.

07 (with **Carey, E. P.**) The crystalline rocks of the Oak Hill area, near San Jose, Cal. J G 15:152-169 (1907)

26 Glaciation in the San Gabriel Mountains, Cal. J G 34:74-82, 5 figs (1926) (*abst*) G Soc Am, B 37:180 (1926) Pan Am G 45:169 (1926) (*abst*) G Zentralbl 34:224 (1926) Rv Geol et Sci conn 7:212-213 (1926)

26a Red Rock Canyon, Cal. J Geog 25, no 9:330-336, 7 figs (December, 1926)

Miller, William John—Cont.

26b Crystalline rocks of the middle-southern San Gabriel Mountains, Cal. (*abst*) G Soc Am, B 37:149 (1926) Pan Am G 45:96 (1926)

28 Geology of Deep Spring Valley, Cal. J G 36:510-525 (1928) (*abst*) G Soc Am, B 39:190-191 (1928) Pan Am G 49:144 (1928) G Zentralbl 39:327 (1929) Rv Geol et Sci conn 9:343-344 (1928)

28a Geomorphology of the southwestern San Gabriel Mountains of California. Cal Univ, Dp G, B 17:193-240, 7 pls, 2 figs (1928) (*abst*) G Soc Am, B 39:269 (1928) G Zentralbl 39:152 (1929)

28b Anorthosite in Los Angeles Co., Cal. Pan Am G, 49, no 1:73-74 (1928)

28c Anorthosite in Los Angeles Co., Cal. (*abst*) G Soc Am, B 39:164-165 1928)

29 Rocks of Southwestern San Gabriel Mountains. (Summary statement) Pan Am G 51:369-370 (1929) (*abst*) G Soc Am, B 41:149-150 (1930)

30 Geologic section across the southern Sierra Nevada. (*abst*) G Soc Am, B 41:49-50 (1930) (*abst*) Pan Am G 53:74 (1930)

Miller, William P.

90 Trinity County, Cal. Cal St M Bur, St Mineralogist's An Rp 10:695-727 (1890)

Mills, Brad.

28 Long Beach redevelopment sets new record. Oil Weekly 50, no 8:30-33, 3 figs (August 10, 1928) (*abst*) Eng Index 1928:1297 (1929)

28a New producing area opened in California. Oil Weekly 48, no 5:46, 48 (January 20, 1928) (*abst*) Eng Index 1928:1297 (1929)

29 Elwood—such fields seldom seen. Oil Weekly 53, no 5:24-25 (1929) (*ann*) An Bib Ec G 2:429 (1929)

29a Care in drilling makes great depths easy to attain. Oil Weekly 55, no 3:64-67 (October 4, 1929)

29b Ventura well action questions economies of pinching. Oil Weekly 53, no 2:19-20 (March 29, 1929) (*ann*) An Bib Ec G 2:430 (1929)

29c Kettleman Hills high pressure area proves interesting development. Oil Weekly 53 no 1:26-27, 96, 98 (March 22, 1929) (*ann*) An Bib Ec G 2: 431 (1929)

29d Deeper drilling may reveal other productive zones for Santa Fe Springs. Oil Weekly 55, no 6:26, 1 fig (October 25, 1929) (*abst*) Eng Index 1929:1301 (1930)

Mills, James Ellison (1834-1901).

92 Stratigraphy and succession of the rocks of the Sierra Nevada of California. G Soc Am, B 3:413-444, map (1892)

Milner, Henry B.

24 The oil fields of the Los Angeles Basin, southern California. M Mag 29: 329-336, 5 figs (1923) 30:9-16, 5 figs (1924) (*abst*) Eng Index 1924: 491 (1925)

Minard, F. H.

04 The California asphaltum industry. Min Ind, 12:28-34 (1904) Eng M J 76:503-505 (1903)

Miner, J. A.

90 Butte County, Cal. Cal St M Bur, St Mineralogist's An Rp 10:124-146 (1890)

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93 Asphaltum. Min Ind, 1 (Rothwell, R. P., editor): 35 (1893)... 3:79 (1895)... 5: 45, 46 (1897)... 6:53 (1898)... 7:64-65, 69, 77 (1899)... 8:47 (1900)... 9:46 (1901)... 12 (Newland, D. H.): 24-25, 28 (1904)... 13: 2 (1905)... 15 (Ingalls, W. R., editor): 59-61, 636 (1907)... 16:77-79 (1908)... 17:62-64, (1909)... 19 (Hill, A. F., editor): 54 (1911) ... 20 (Of, Charles, editor): 69 (1912)... 29 (Roush, G. A., editor): 50 (1921)... 30:55-57 (1922)

93a Chrome ore. Min Ind, 1 (Rothwell, R. P., editor): 71 (1893)... 2:149, 152 (1894) ...3: 121-122 (1895)... 4:91 (1896)... 5:119, 120 (1897)... 6:145 (1898)... 10 (Struthers, J., editor): 97 (1902)... 14 (Ingalls, W. R., editor): 73 (1906) 16:9, 171 (1908)... 17:127 (1909)... 19 (Hill, A. F. editor): 102 (1911)... 23 (Roush, G. A., editor): 92, 94-97 (1915)

93b Copper. Min Ind 1 (Rothwell, R. P., editor): 109-110 (1893)... 2:237, 239 (1894)... 3:158, 159 (1895)... 4:244, 245 (1896) ... 5:202, 203 (1897)... 6:204, 205, 232 (1898) ... 7:203, 205 (1899)... 8:158, 160 (1900)... 9: 186, 188 (1901)... 10 (Struthers, J., editor): 176, 177 (1902)... 13 (Judd, E. K., editor): 108, 495 (1905)... 14 (Ingalls, W. R., editor): 111, 117-118 (1906)... 15:191, 203-204 (1907)... 16:261, 275 (1908)... 18:169 (1910)... 19 (Hill, A. F., editor): 149, 163-164 (1911) ... 20 (Of, Charles, editor): 181-182 (1912) 21:186-187 (1913)

93c Gold and silver. Min Ind, 1, (Rothwell, R. P., editor):175, 176 (1893)... 2:313 (1894)... 3:278 (1895)... 5:243 (1897)... 6: 262, 263 (1898)... 7:287, 290 (1899)... 8:264, 270 (1900)... (1900)... 9:313, 315, 320 (1901) ... 10 (Struthers, J., editor): 289, 291, 296 (1902)... 13 (Judd, E. K., editor): 494 (1905)... 14 (Ingalls, W. R., editor): 218, 219, 221-223 (1906)... 15:340-341, 344-345 (1907)... 16:470, 471, 478-480 (1908)... 17: 363-364 (1909)... 18: 285-287 (1910)... 19 (Hill, A. F., editor): 245-246, 249-250 1911)... 20 (Of, Charles, editor): 290-291 (1912)... 21:334-335, 339-342 (1913)... 24 (Roush, G. A., editor): 273, 274 (1916)

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93d Petroleum. Min Ind 1 (Rothwell, R. P., editor): 362 (1893)... 2:499, 505, 527 (1894)... 3:460, 470, 472 (1895)... 4:493 (1896)... 5:435 (1899)... 8:451, 457, 475 (1900)... 9:487 (1901)... 10 (Struthers, J., editor): 503, 510, 516 (1902)... 12 (Newland, D. H., editor): 281, 283, 289 (1904)... 13 (Judd, E. K., editor): 345, 357, 495, 496 (1905)... 14 (Ingalls, W. R., editor): 469, 470-471 (1906)... 15: 600, 610-612, 628 (1907) ... 16:743, 746-748 (1908)... 17:676-678 (1909)... 18:552, 558-560 (1910)... 19:507, 515-517 (1911)... 20 (Of, Charles, editor): 505, 558, 561 (1912)... 21:632-634 (1913)

93e Tin. Min Ind 1 (Rothwell, R. P., editor): 452-453 (1893)... 2:607 (1894)... 5: 587 (1897)... 14: (Ingalls, W. R., editor): 535, 536 (1906)... 16:861 (1908)

93f Quicksilver. Min Ind 1 (Rothwell, R. P., editor) :4-10, 407-410 (1893)... 2:551-554, 793, 799 (1894)... 3:477-479 (1895)... 4: 519-520 (1896)... 5:4, 7, 461-465, 828 (1897)... 6:4-6, 563-565, 800, 853, 856 (1898)... 7: 3, 5, 577-580, 871, 874 (1899)... 8:3, 5, 489-490, 877, 880 (1900)... 9:3, 563-564, 879, 882 (1901)... 10 (Struthers, J. editor): 3, 555-557, 879, 882 (1902)... 11:3, 5, 853, 856 (1903)... 12 (Newland, D. H, editor):3, 4, 305-308, 309 (1904)... 13 (Judd, E K., editor):3, 4, 371-374, 543 (1905)... 14 (Ingalls, W. R., editor):502-506 (1906)... 15:3, 9, 674-678, 928 (1907)... 16:813-814, 818-819 (1908)... 17:13 (1909)... 18:3, 615-617 (1910)... 19 (Fay, A H., editor):590-593 (1911)... 20 (Of, Charles, editor):650-652 (1912)... 21: 743-745 (1913)...26 (Roush, G. A., editor): 604 (1918)... 27:629, 630, 632-633 (1919)... 31: 612, 613 (1923)... 32:587, 588 (1924)... 34:618-620 (1926)... 35:595-596 (1927)

94 Antimony. Min Ind 2 (Rothwell, R. P., editor):13 (1894)... 3:72 (1895)... 4:21 (1896)... 5:35 (1897)... 6:43 (1898)... 7:51 (1899)... 8:38 (1900)... 9:37 (1901)... 16 (Ingalls, W. R., editor):47 (1908)

94a Borax. Min Ind 2 (Rothwell, R. P., editor):75-76 (1894)... 3:85 (1895)... 4:51 (1896)... 6:61, 62 (1898)... 7:90 (1899)... 8:64 (1900)... 10 (Struthers, J., editor): 65 (1902)... 13 (Judd, E. K., editor) 497 (1905)... 14 (Ingalls, W. R., editor):54-56 (1906)... 15:84 (1907)... 16:121, 123 (1908)... 17:87-90 (1909)... 18:77-78 (1910)... 19 (Hill, A. F., editor):86-87 (1911)... 20 (Of, Charles, editor):103, 105 (1912)... 21:103-104 (1913)... 22 (Roush, G. A., editor):62-63 (1914)... 34:103 (1926)

94b Graphite. Min Ind 2 (Rothwell, R. P. editor): 341 (1894)... 14 (Ingalls, W. R., editor): 310 (1906)... 20 (Of, Charles, editor): 380 (1912)... 21:429 (1913)

94c Gypsum. Min Ind 2 (Rothwell, R. P., editor): 343 (1894)... 3:355 (1895): 4:377 (1896)... 5:326 (1897)... 6:391-392

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94d Magnesite. Min Ind 2 (Rothwell, R. P., editor): 459, 461-462 (1894)... 3:445-446, 580 (1895)... 4:485, 486 (1896)... 5:413 (1897)... 6:463 (1898)... 7:497 (1899)... 8:417 (1900)... 9:458 (1901)... 10 (Struthers, J., editor): 438 (1902)... 12 (Newland, D. H., editor): 497 (1904)... 14:430-431 (1906)... 15:554-556 (1907)... 16:698-699 (1908)... 17:626-627 (1909)... 18:507-509 (1910)... 19 (Hill, A. F., editor): 463-464 (1911)... 20 (Of, Charles, editor): 496 (1912)

94e Natural soda. Min Ind 2 (Rothwell, R. P., editor): 148 (1894)... 7:621 (1899)... 10 (Struthers, J., editor): 588 (1902)... 14 (Ingalls, W. R., editor): 515 (1906)... 16:833 (1908)... 19:616 (1911)

94f Precious stones. Min Ind 2 (Rothwell, R. P., editor): 543 (1894)... 13 (Judd, E. K., editor): 497 (1905)... 14 (Ingalls, W. R., editor): 207, 211-212 (1906)... 15:665-667 (1907)... 16:791 (1908)

94g Salt. Min Ind 2 (Rothwell, R. P., editor): 579 (1894)... 3:487, 488 (1895)... 4:549 (1896)... 5:488 (1897)... 6:539 (1898)... 7:600 (1899)... 8:507 (1900)... 9:585 (1901)... 10 (Struthers, J., editor): 576 (1902)... 12 (Newland, D. H., editor): 313 (1904)... 14 (Ingalls, W. R., editor): 512 (1906)... 15:681 (1907)... 16:821 (1908)... 17:754 (1909)... 18:624 (1910)... 19 (Hill, A. F., editor): 601 (1911)... 20 (Of, Charles, editor): 660-661 (1912)... 21:764 (1913)... 27 (Roush, G. A., editor): 656 (1919)

94h Tungsten. Min Ind 2 (Rothwell, R. P., editor): 616 (1894)... 9:658 (1901)... 14 (Ingalls, W. R., editor): 558 (1906)... 16:887-889 (1908)... 17:827 (1909)... 18:648 (1910)... 19:661-662 (1911)... 20 (Of, Charles, editor): 724-725 (1912)

95 Cement. Min Ind 3 (Rothwell, R. P., editor): 92 (1895)... 4:56 (1896)... 5:65 (1897)... 6:89 (1898)... 7:109 (1899)... 8:83 (1900)... 9:75 (1901)... 10 (Struthers, J., editor): 78 (1902)... 11:79 (1903)... 13 (Judd, E. K., editor): 497 (1905)... 14 (Ingalls, W. R., editor): 66 (1906)... 16:163 (1908)

95a Clay. Min Ind 3 (Rothwell, R. P., editor): 125 (1895)... 5:154-155 (1897)... 7:122 (1899)... 8:97, 99 (1900)... 9:90, 91 (1901) ... 10 (Struthers, J., editor): 105, 106, 107 (1902)... 11:126-128 (1903)... 13 (Judd, E. K., editor): 495 (1905)

95b Fluorspar. Min Ind 3 (Rothwell, R. P., editor): 277 (1895)... 26 (Roush, G. A., editor): 209 (1918)

95c Manganese. Min Ind 3 (Rothwell, R. P., editor): 447, 448 (1895)... 4:487

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95d Onyx. Min Ind 3 (Rothwell, R. P., editor): 516 (1895)... 8:558 (1900)

95e Slate. Min Ind 3 (Rothwell, R. P., editor): 489, 490 (1895)... 4:551-552 (1896)... 5:509 (1897)... 6:594 (1898)... 7:611-612 (1899)... 8:515 (1900)... 9:591-592 (1901)... 10 (Struthers, J., editor): 583-584 (1902)... 13 (Judd, E. K., editor): 497 (1905)

95f Sulphur. Min Ind 3 (Rothwell, R. P., editor): 520 (1895)... 7:643 (1899)... 13 (Judd, E. K., editor): 382 (1905)... 18 (Ingalls, W. R., editor): 643-644 (1910)

96 Asbestos. Min Ind 4 (Rothwell, R. P., editor): 36 (1896)... 6:49 (1898)... 7:60 (1899)... 9:44 (1901)... 15 (Ingalls, W. R., editor): 55 (1907)... 16:71-72 (1908)

96a Coal. Min Ind 4 (Rothwell, R. P., editor): 125-126, 592, 594, 602 (1896)... 5:139 (1897)... 6:161, 162 (1898)... 7:161, 162, 164 (1899)... 8:113, 114 (1900)... 9:136, 137 (1901)... 10 (Struthers, J., editor): 125, 126 (1902)... 11:134 (1903)... 13 (Judd, E. K., editor): 497 (1905)... 14 (Ingalls, W. R., editor): 80 (1906)... 15:124, 129 (1906)... 16:178 (1908)... 17:129 (1909)... 19 (Hill, A. F., editor): 109 (1911)... 20 (Of, Charles, editor): 136 (1912)

96b Marble. Min Ind 4 (Rothwell, R. P., editor): 554 (1896)... 5:512 (1897)

97 Limestone. Min Ind. 5 (Rothwell, R. P., editor): 513 (1897)... 8:553 (1900)... 13 (Judd, E. K., editor): 24 (1905)

97a Platinum. Min Ind 5 (Rothwell, R. P., editor): 457 (1897)... 6:5 (1898)... 7:569 (1899)... 16 (Ingalls, W. R., editor): 781 (1908)... 24 (Roush, G. A., editor): 573 (1916)

98 Infusorial earth. Min Ind 6 (Rothwell, R. P., editor):16 (1898)... 7:606 (1899) ... 16 (Ingalls, W. R., editor):827 (1908)

98a Talc and soapstone. Min Ind 6 (Rothwell, R. P., editor): 628 (1898)... 7:704 (1899)... 14 (Ingalls, R. P., editor): 528 (1906)... 32 (Roush, G. A., editor): 647-648 (1924)

99 Mica. Min Ind. 7 (Rothwell, R. P., editor): 510 (1899)... 10 (Struthers, J., editor): 457 (1902)

99a Molybdenite. Min Ind. 7 (Rothwell, R. P., editor): 514 (1899)... 11 (Struthers, J., editor): 477 (1903)... 14 (Ingalls, W. R., editor): 450 (1906)... 16:723 (1908)

99b Pyrite. Min Ind. 7 (Rothwell, R. P., editor): 647 (1899)... 15 Ingalls, W. R., editor): 703 (1907)... 17:786 (1909)... 19

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99c Quartz. Min Ind. 7 (Rothwell, R. P., editor): 276 (1899)

99d Serpentine. Min Ind, 7 (Rothwell, R. P., editor): 704 (1899)

00 Granite. Min Ind. 8 (Rothwell, R. P., editor): 546 (1900)... 10 (Struthers, J., editor): 592 (1902)... 11:571 (1903)

00a Sandstone. Min Ind. 8 (Rothwell, R. P., editor): 559 (1900)

00b Turquoise. Min Ind. 8 (Rothwell, R. P., editor): 228 (1900)

01 Natural gas. Min Ind. 10 (Struthers, J., editor): 476 (1902)... 18 (Ingalls, W. R., editor): 539, 540 (1910)... 19 (Hill. A. F., editor): 492, 493 (1911)

01a Tourmaline. Min Ind. 9 (Rothwell, R. P., editor): 307 (1901)

02 Bauxite. Min Ind. 10 (Struthers, J., editor): 13 (1902)

05 Phosphate rock. Min Ind. 13 (Judd, E. K., editor): 361 (1905)... 14 (Ingalls, W. R., editor): 490 (1906)

06 Lead. Min Ind. 14 (Ingalls, W. R., editor): 364 (1906)... 15:506 (1907)... 17:563 (1909)... 19 (Hill. A. F., editor): 422, 425 (1911)... 20 (Of, Charles, editor): 466 (1912)... 21:517 (1913)

07 Fuller's earth. Min Ind 15 (Ingalls, W. R., editor): 333-334 (1907)... 16:458 (1908)... 27 (Roush, G. A., editor): 247 (1919)... 29:237 (1921)... 30:235 (1922)... 31: 267 (1923)

07a Zinc. Min Ind. 15 (Ingalls, W. R., editor): 729 (1907)... 16:907 (1908)... 20 (Of, Charles, editor): 749 (1912)... 21:876 (1913)

08 Bismuth. Min Ind. 16 (Ingalls, W. R., editor): 104 (1908)... 18:74 (1910)

08a Black sands. Min Ind. 16 (Ingalls, W. R., editor): 565 (1908)

09 Iron ore. Min Ind. 17 (Ingalls, W. R., editor): 875 (1909)

16 Barytes. Min Ind. 24 (Roush, G. A., editor): 55 (1916)

19 Nitrate of soda. Min Ind. 27 (Roush, G. A., editor): 650 (1919)

The Mining Congress Journal.

27 The iron industry in 1926. M Cong J 13:116-117, 572-573, California 116, 572 (1927)... 1927, 14:123-124 (1928)

27a Metal mining in United States. M Cong J 13:103-115, California 106, 107 (1927)... 14:115-122, California 117 (1928)

27b Production of feldspar in 1926. M Cong J 13:625 (1927)

28 Copper, lead and zinc mining in 1927. M Cong J 14:124 (1928)

28a Gold and silver production in United States. M Cong J 14:576 (1928)

28b Lead. M Cong J 14:468 (1927)

Mining and Engineering Review (San Francisco).

05 Quicksilver production in California. 20:5 (1905)

05a Metallurgy of quicksilver. 20:7-8 (1905)

Mining and Engineering World.

13 The world's quicksilver industry in 1912. 28:160-161, 904 (1913)

14 Quicksilver output in 1913; California, largest producer. 41:254, (1914)

16 Quicksilver mining at Idria, Cal. 45: 1112 (1916)

Mining and Metallurgy, Editorial.

27 Finding oil fields in California. 9: 344-345 (1927)

Mining and Oil Bulletin.

24 New field in the Los Angeles Basin. 10: 572-577, 636, 656 (June, 1924)

24a Minor oil fields, Kern Co., Cal. 10: 1289, 1291, 1293 (December, 1924)

25 Minor oil fields, Kern Co., Cal. 11: 89, 91, 93, 95 (January, 1925)

Mining and Oil Bulletin, Supplement.

22 "Post hole" oil wells. 8:327 (June, 1922)

23 Meyer zone contour map, Santa Fe Springs. 9: (October, 1923) Prepared by Union Oil Co of California

23a Development of the Long Beach field. 9: 571, 575, 577, 597, 630 (July, 1923)

23b Santa Fe Springs map. 9: (August, 1923) See also California Oil World, 15:1 (August 9, 1923)

Mining and Scientific Press.

73 Sonoma County quicksilver mines (Cal.). M Sc Press 27:166 (1873)

74 California quicksilver in 1871, 1872, and 1873. M Sc Press 28:50 (1874)

74a Why quicksilver is high (contains table of production at New Almaden, Cal., for 21 years). M Sc Press 28:184 (1874)

74b Quicksilver discoveries in California. M Sc Press 28:98, 118, 154, 170, 312 (1874)

74c Quicksilver in California. M Sc Press 28:186, 198, 214, 258, 290, 294, 310, 314, 316, 322, 326, 337, 358, 362, 370, 402, 410 (1874)

74d The Rattlesnake quicksilver mine (Cal.) M Sc Press 29:54 (1874)

74e Mineral wealth of Colusa County (cinnabar). M Sc Press 29:70 (1874)

74f From the quicksilver mines (Cal.). M Sc Press 29:81 (1874)

74g Quicksilver in San Luis Obispo County (condensed from San Luis Obispo Tribune of August 1, 1874). M Sc Press 29:102 (1874)

74h Quicksilver in Sonoma and Napa (condensed from Calistoga Press). M Sc Press 29:114 (1874)

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74i The Pine Flat quicksilver mines (Cal.). M Sc Press 29:139, 154, 322 (1874)

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75 The Colusa quicksilver mines. M Sc Press 30:33, 42, 82 (1875)

75a Sonoma County quicksilver mines. M Sc Press 30:66 (1875)

75b California (quicksilver and cinnabar). M Sc Press 30:132-133 (1875)

75c Quicksilver in Solano County. M Sc Press 30:146, 346 (1875)

82 Penryn granite works. M Sc Press 45:284 (1882)

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82d Measurements of auriferous earth. M Sc Press 45:328 (1882)

82e Artesian wells on the Great Plains. M Sc Press 45:86 (1882)

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82g Yosemite. M Sc Press 45:22 (1882)

82h Streams and waters in Shasta County. M Sc Press 44:294 (1882)

82i Quartz mining in the vicinity of Auburn. M Sc Press 44:112, 128 (1882)

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82m Glaciers and red snow. M Sc Press 44:306 (1882)

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82o Rainfall and mines. M Sc Press 45:312 (1882)

82p California kaolin. M Sc Press 45:268 (1882)

82q Lassen County Mines. M Sc Press 45:34 (1882)

82r Ancient footprints. M Sc Press 45:118 (1882)

82s Causes of dry zones. M Sc Press 45:402 (1882)

82t Dredging for gold. M Sc Press 45:24 (1882)

82u Tornadoes and their causes. M Sc Press 45:162 (1882)

83 California State Geological Society. M Sc Press 46:18 (1883)

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84 Platinum. M Sc Press 48:22 (1884)

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90g Bird's-eye view of the Yosemite. M Sc Press 61:75 (1890)

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95 Red Rock, Goler and Summit mining districts in Kern County. M Sc Press 70:241, 245 (1895)

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95e California marble. M Sc Press 70:373 (1895)

95f California granite. M Sc Press 70:357 (1895)

95g Geology of Placer, El Dorado and Amador counties. M Sc Press 70:308-310 (1895)

96 California geysers. M Sc Press 72:85 (1896)

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97 California asphaltum products. M Sc Press 74:469 (1897)

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97c California mineral products for 1896. M Sc Press 74:362, 406 (1897)

97d California building stones. M Sc Press 74:277 (1897)

97e Quicksilver. M Sc Press 74:253 (1897)

98 California's supposed Great River of ancient times. M Sc Press 77:401 (1898)

98a Bituminous rock. M Sc Press 77:53, 56, 178, 181 (1898)

99 Prehistoric rivers of California. M Sc Press 79:544 (1899)

99a The occurrence of roscoelite in California. M Sc Press 79:93 (1899)

99b Copper belt of Shasta County. M Sc Press 79:690 (1899)

99c Ancient river channels of the Forest Hill Divide. M Sc Press 78:285, 290 (1899)

99d Walls of mineral veins. M Sc Press 79:609 (1899)

99e The recent earthquake. M Sc Press 58:380 (1889)

99f Auriferous zones in the Hanging Wall of the Mother Lode of California. M Sc Press 78:507 (1899)

99g Some characteristic features in veins in granite in California. M Sc Press 78:428 (1899)

99h Production of gold and silver in California in 1898. M Sc Press 78:478 (1899)

99i Mineral production of California for 1898. M Sc Press 78:454 (1899)

00 California quicksilver mines. M Sc Press 81:506-507 (1900)

Mining and Scientific Press—Cont.

00a Mineral production of California for 1899. M Sc Press 80:522 (1900)

00b Gold and silver production by counties for 1899. M Sc Press 80:434-435 (1900)

01 Economic geology of California. M Sc Press 83:160 (1901)

01a Old channel placers. M Sc Press 82:175-176 (1901)

04 The Great Eastern quicksilver mine (Sonoma Co., Cal.). M Sc Press 89:391, 2 figs (1904)

04a Cinnabar in San Luis Obispo Co., Cal. 89:323, 2 figs (1904)

04b "Fissure vein" and "true fissure." M Sc Press 88:56, 176 (1904)

04c Ancient river channels. M Sc Press 88:94, 408 (1904)

04d California mountain road and region. M Sc Press 88:296-297 (1904)

04e Geological age of California borax deposits. M Sc Press 88:311 (1904)

04f Spheroidal weathering. M Sc Press 88:277 (1904)

04g. Vein in fault fissure. M Sc Press 88:225 (1904)

04h Father Lode of California. M Sc Press 89:136-137 (1904)

04i The East Lode of California. M Sc Press 89:410-411 (1904)

04j The gold mines of Angels, California. M Sc Press 89:103 (1904) (*abst*) Eng Index 4:576 (1906)

05 Springs in the desert region of southwestern United States. M Sc Press 91:293 (1905)

05a Prospecting for desert mines. M Sc Press 90:371, 1 fig (1905)

10 Quicksilver in California. M Sc Press 100:15-16, map (1910)

16 Notes on quicksilver in California. M Sc Press 112:353 (1916)

16a Mineral production of California in 1915. M Sc Press 113:361 (1916)

16b California's volcano still active. M Sc Press 113:918 (1916)

17 Metal production in 1916. M S Press 114:24 (1917)

17a Mineral production in 1916. M Sc Press 114:63 (1917)

18 Nitrate deposits in Amargosa Valley. M Sc Press 117:262-263 (1918)

18a Platinum. M Sc Press 116:385-386 (1918)

18b Manganese in the Colorado River Desert Region. M Sc Press 117:755-758 (1918)

19 Map of black sand deposits. M Sc Press 118:264 (1919)

19a Production of gold and oil. M Sc Press 118:368 (1919)

19b Quicksilver production in 1918. M Sc Press 118:135 (1919)

19c Mining in California in 1919. M Sc Press 119:342 (1919)

19d Mineral production in 1918. M Sc Press 118:646 (1919)

19e Production of oil in 1918. M Sc Press 118:165 (1919)

19f Production of oil and gas for 1918. M Sc Press 118:755 (1919)

19g California mineral output in 1918. M Sc Press, 118:77 (1919)

19h Metal production in 1918. M Sc Press 118:68 (1919)

21 California's metal output in 1920. M Sc Press 122:97-98 (1921)

22 Mining in California during 1921. M Sc Press 124:340 (1922)

22a Metal output of California in 1921. M Sc Press 124:156 (1922)

Mining and Smelting Magazine.

63 Geological survey of California. M Smlt Mag 4:37 (1863)... 5:158, 341 (1864)... 6:27-28 (1864)

64 California and border territories. M Smlt Mag 5:42-43, 112, 174-175, 238, 299-300, 358-359 (1864)

64a Geology of California. (*abst*) M Smlt Mag 6:215-217 (1864)

Mining Magazine (New York).

53 The Almaden (quicksilver) mine, Cal. M Mag 1:209-210 (1853)

54 Quicksilver in California. M Mag 2:116-117 (1854)

58 Mercury mines of New Almaden, Cal. M Mag 10:142-143 (1858)

58a Quicksilver mines of Monterey Co., Cal. M Mag 10:246-247 (1858)

58b Santa Clara quicksilver mines (Cal.). 10:246 (1858)

58c The quicksilver mine of New Almaden (Cal.) M Mag 10:448-449 (1858)

59 New quicksilver mine in California. M Mag (2) 1:81 (1859)

Mining Science.

12 Quicksilver in California. 65:349 (1912) 66:35 (1912)

Mitchell, George D.

26 (and **Byerly**, Perry) The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from April 1, 1924, to September 30, 1924. Cal Univ, Seism Sta, B 2, no 8: 121-140 (August 24, 1926)

26a (and **Byerly**, Perry) The registration of earthquakes at the Berkeley Station and at the Lick Observatory Station from October 1, 1924, to March 31, 1925. Cal Univ, Seism Sta, B 2, no 9: 141-154 (September 23, 1926)

Mitchell, George D., Jr.

28 The Santa Cruz earthquakes of October, 1926. Seism Soc Am, B 18:153-213 (September, 1928)

Mitchell, John Pearce.

10 A study of the normal constituents of the potable water of the San Francisco Peninsula. Leland Stanford Junior University Pub, University Series no 3: 70 pp, 1 map (1910)

Mofras, Duflot de.

44 Exploration des Territoire de l'Oregon, des Californies et de la Mer Vermeillo, executee pendant les annees 1840, 1841, et 1842. 2 vols. 8vo, avec un Atlas in folio. Paris, 1844. Published by order of the King, under the auspices of the President of the Council and Minister of Foreign Affairs. Vol 1, 521 pp, 4 pl; vol 2, 387 pp, 4 pl. Atlas of 26 sheets, maps, and plans.

Mollmann, W.

02 Jungste Entdeckungen von Asbestos in Californien. Berg- u Hüttenm Ztg 61: 601-602 (1902)

Moncrieff, C. Scott.

05 Irrigation. Science (n s) 22:577-590 (1905)

Montessus de Ballore, Ferdinand.

09 La topographie sismique des Coast Ranges de Californie et le mouvement tectonique du 18 avril 1906. An Géog 18: 341-355 (1909) (*abst*) G Zentralbl 13:464-465 (1909)

Moodie, Roy L.

09 Vertebrate paleontology; the Lysorophidae; Stegocephala; the Cotylosauria; the oldest known reptile; the age of the Gaskohle; Bison occidentalis; Nectosaurus; Callibrachion. Am Nat, 43:116-124 (1909), (California-Nectosaurus, p 123)

29 Excess callus in a Pleistocene bird (Rancho la Brea, California). Am J Sc (5) 17:81-84, 2 figs, (1929)

Moody, Clarence Lemuel.

16 Fauna of the Fernando of Los Angeles (Cal.). Cal Univ, Dp G, B 10: 39-62, il (1916)

16a (with **Merriam,** J. C. and **Stock,** C.) Fauna of the Rodeo Pleistocene. (*abst*) G Soc Am, B 27:169-170 (1916)

16b (with **Merriam,** John Campbell, **Stock,** Chester) An American Pliocene bear. Cal Univ, Dp G, B 10:87-109, 23 text figs (1916) (*abst*) G Zentralbl 29:446 (1923)

17 The breccias of the Mariposa formation in the vicinity of Colfax, Cal. Cal Univ, Dp G, B 10:383-420 (1917) (*abst*) G Zentralbl 29:503 (1923)

17a Fauna of the Fernando formation of Los Angeles, Cal. (*abst*) G Soc Am, B 28:234 (1917)

25 (and **Stock,** Chester, **Merriam,** John Campbell) The Pliocene Rattlesnake formation and fauna of eastern Oregon, with notes on the geology of the Rattlesnake and Mascall deposits. Carnegie Inst, Wash, Pub 347:45-92, 45 figs (October 8, 1925)

Moore, Bernard N.

30 Stratigraphic relations of the *Turritella inezana* and *Turritella ocoyana* zones of the Santa Ana Mountains, Orange County, California. (*abst*) G Soc Am, B 41: 212 (1930) Pan Am G 52:157-158 (1929)

30a Geology of Santa Ana Mountains (*abst*) Pan Am G 54:69 (1930)

Moore, C. E.

06 Earthquake effects at Santa Clara, Palo Alto, and San Jose, Cal. Eng News 55:526-527, 4 figs (1906)

Moore, Edward.

08 A cloudburst in the high Sierra. Cal Phys Geog Club, B 2, no 1:24-27 (1908)

Moore, Gideon E.

85 (and **Zepharovich,** V. von) Kallait pseudomorph nach Apatit aus Californien. Zs Kryst 10:240-251 (1885)

Moore, J. M.

76 The mineral springs of California. Homeopathic World 11:75-78 (1876) (*abst*) G Rec 1876:248 (1878)

Moran, Robert B.

17 Los Angeles, Orange and Ventura County oil fields. First Annual Report of the State Oil and Gas Supervisor of California for the fiscal year 1915-16 Cal St M Bur, B 73:173-184 (1917)

24 The role of the geologist in the development of the California oil fields. Am As Petroleum G, B 8:73-78 (1924)

Morgan, F. A.

30 Tideland development in California. Oil Gas J 28:114, 118, 122, 240, 242 (1930)

30a (and **Dana** Drexler) Maricopa Flat, a new field in an old area. Oil B 16:237-240 (March, 1930)

Morganroth, L. C.

14 The occurrence, preparation and the use of magnesite. Am I M Eng, B 93:2345-2352 (1914) Tr 50:890-900 (1915)

Morris, R. W.

23 Coal. Min In. 31:106-153, California 110 (1923)... 32:120-158, California 123 (1924)... 33:129-163, California 131 (1925)

Morris, S. B.

29 (and **Pearce, C. E.**) Design of gravity dam in San Gabriel Canyon to resist earthquakes. Seism Soc Am, B 19:143-155 (1929)

30 (**Floris, A.**, and **Grunsky, E. L.**) Essential facts concerning the failure of the St Francis dam: Report of committee of board of direction (discussion). Am Soc Civil Eng, Pr 56:1023-1032 (1930)

Morse, Roy R.

23 A note on jointage and the application of the strain ellipsoid. J G 31:669-675, 4 figs (1923)

Moss, Frank A.

27 The geology of Carson Hill, Cal. Eng M J 124:1010-1012 (1927)

Mourhess, Charles A.

15 Triangulation along the Columbia River and the coasts of Oregon and northern California. U S, Coast S, serial 15, Special Publication 31:149 pp, 45 il (1915)

Muir, John (1838-1914).

72 On the effects of the earthquake of March 26, 1872, in the Yosemite Valley. Boston Soc N H, Pr 15:185-186 (1872)

72a Living glaciers of California. Overland Monthly 9:547-549 (1872) Am J Sc (3) 5:69-71 (1873)

73 Hetch-Hetchy Valley. Overland Monthly 11:42-50 (1873)

73a Explorations in the Great Tuolumne Cañon. Overland Monthly 11:139-147 (1873)

73b A geologist's winter walk. Overland Monthly 10:355-358 (1873)

74 Studies in the Sierra; No. 1, Mountain sculpture. Overland Monthly 12:393-403 (1874) Sierra Club B 9:225-239 (1915) (*abst*) Am J Sc (3) 7:515-516 (1874)

74a Studies in the Sierra; No. 2, Mountain sculpture, origin of Yosemite valleys. Overland Monthly 12:489-500 (1874) Sierra Club B 10:62-77 (1916)

74b Studies in the Sierra; No. 3, Ancient glaciers and their pathways. Overland Monthly 13:67-79 (1874) Sierra Club, B 10:184-201 (1917) G Zentralbl 27:401 (1922)

74c Studies in the Sierra; No. 4, Glacial denudation. Overland Monthly 13:174-184 (1874) Sierra Club B 10:304-318 (1918)

74d Studies in the Sierra; No. 5, Post-glacial denudation. Overland Monthly 13:393-402 (1874) Sierra Club B 10:414-428, 4 pls, 3 figs (1919)

74e Studies in the Sierra; No. 6, Formation of soils. Overland Monthly 13:530-540 (1874) Sierra Club B 11:69-85 (1920)

75 Studies in the Sierra; No. 7, Mountain building. (*abst*) Am As, Pr 23, pt 2:49-64 (1875) Sierra Club B 11:181-193 (1921)

75a Flood-storm in the Sierra. Overland Monthly, 14:489-496 (1875)

75b Living glaciers of California. Harper's Magazine, 51:769-776 (1875)

75c Studies in the Sierra; No. 7, Mountain building. Overland Monthly 14:64-73 (1875)

77 On the postglacial history of *Sequoia gigantea*. Am As, Pr 25:242-253 (1877)

79 Glacial meadows of the Sierra. Scribner's Monthly, 17:478-483 (1879)

79a Mountain lakes of California. Scribner's Monthly, 17:411-420 (1879)

79b Passes of the Sierra. Scribner's Monthly, 17:644-652 (1879)

80 In the heart of the California Alps. Scribner's Monthly, 20:345-352 (1880)

80a Ancient glaciers of the Sierra. Californian, 2:550-557 (1880)

88 Picturesque California and the region west of the Rocky Mountains from Alaska to Mexico. Ed by John Muir, San Francisco, Dewing, 2 vs (1888)

90 Features of the proposed Yosemite National Park. Century, 40:656-667 (1890)

90a Treasures of the Yosemite. Century, 40:483-500 (1890)

91 Rival of the Yosemite. Century, 43:77-97 (1891)

94 The mountains of California. 381 pp, The Century Co, N Y (1st ed), (1894) (*abst*) Nature 51:125 (1894) New and enlarged editions, 381 pp, il (1901)... xiv, 389 pp, il, pls (1911)... 9th ed, xiv, 389 pp, il pls (1913)... 389 pp, il (1921)

97 Scenery in California. *In* California the Land of Promise. State Board of Trade, San Francisco, 16-21 (1897-1898)

99 Yosemite National Park. Atlantic Monthly, 81:145-152 (1899)

01 Fountains and streams of Yosemite National Park. Atlantic Monthly 87:556-565 (1901)

07 Tuolumne Yosemite in danger. Outlook, 87:486-489 (1907)

09 Our National Parks. Houghton (1901) New and enlarged edition (1909)

09a Endangered valley. Century, 77:464-469 (1909)

11 My first summer in the Sierra. Houghton, Mifflin Co, vii, 353 pp, il, pl (1911)

Muir, John—Cont.

12 The Yosemite. New York, The Century Co, x, 284 pp, pls, 3 fold maps (1912)

15 Studies in the Sierra. Sierra Club B 9:225-239 (1915) G Zentralbl 27:303 (1922)

20 Studies in the Sierra; No. 6, Formation of soils. Sierra Club B 11, no 1: 69-85, 5 figs (1920)

21 Studies in the Sierra; No. 7, Mountain building (reprinted from the Overland Monthly of January, 1875). Sierra Club B 11, no 2:181-193, 7 figs (1921)

Mülheims, A.

88 Colemanit von Californien. Zs Kryst, 14:230 (1888)

Mulholland, William.

18 Earthquakes in their relation to the Los Angeles aqueduct. Seism Soc Am, B 8: 13-19 (1918)

20 The earthquake problem in southern California. Seism Soc Am, B 10:289-297 (1920)

Munro-Fraser, J. P.

80 History of Marin Co., Cal., including its geography, geology, topography and climatology. 516, pp 87-94, San Francisco (1880)

80a History of Sonoma Co., Cal.; geographical situation and area, derivation of name, topography, valleys, geology, climatography, water courses, timber, etc. 709 pp, San Francisco (1880)

Murchison, Roderick Impey.

50 Siberia and California. Q Rv 87:395-434 (1850)

54 On the original formation of gold, and its subsequent distribution in debris over parts of the earth's surface. *In* "Siluria":431-458 California 451, 453 (1854)

Murgoci, G.

06 Contribution to the classification of the amphiboles: on some glaucophane schists, syenites, etc. Cal Univ, Dp G, B 4:359-396 (1906)

Murphy, F. Mac.

29 Ore deposits of Panamint Range. (Summary statement) Pan Am G 51:370-371 (1929) (*abst*) G Soc Am, B 41:152 (1930)

30 Dumortierite in Riverside County. Am Mineralogist 15:79-80 (1930) Min Absts 4:331 (1930)

30a Geology of the Panamint silver district. Ec G 25:305-325, 2 figs (1930) (*abst*) G Soc Am, B 41:152 (1930) Pan Am G 51: 370-371 (1929)

Musser, E. H.

25 Report on the Torrance oil field. Cal St M Bur, Summary of Operations, California Oil Fields 11, no 3:5-17, 3 figs, 2 pls (1925)

25a The Rosecrans oil field. Cal St M Bur, Summary of Operations, California Oil Fields 11, no 5:5-21, 3 figs (1925) (*abst*) Eng Index 1926:534 (1927)

26 The Richfield oil field. Cal St M Bur, Summary of Operations, California Oil Fields 12, no 6:5-18, 2 figs, 3 pls (incl map), (1926) (*abst*) Eng Index 1927:582 (1928)

27 (and **Godde,** H. A.) Development of the Maricopa shale production in the southeastern portion of thirty-five anticline, Sunset oil field, Kern Co., Cal. Cal St M Bur, Summary of Operations, California Oil Fields, 12, no 11:5-17, 3 pls (1927)

28 Preliminary report on the Kettleman Hills oil field. Cal Dp Nat Res, Div Mines and Mining, Summary of Operations, California Oil Fields 14, no 5:5-17, 2 pls (November, 1928) (*ann*) An Bib Ec G 2:431 (1929) (*abst*) Eng Index 1929: 1301 (1930)

29 Report on Kettleman Hills oil field. Oil Gas J 28, no 30:98, 99, 102, 103, 1 map (December 12, 1929)

30 Buttonwillow gas field. Cal Oil Fields 15, no 3:5-20, 1 fig, 3 pls (1930)

Myers, Desaix B.

29 Petroleum development and production in California. Oil Bull 15, no 2:139 (February, 1929) (*ann*) An Bib Ec G 2: 124 (1929)

30 Petroleum. Min Ind 38:470-471 (1930)

30a Petroleum developments in California during 1929. Am I M Eng, Tr. (Petroleum development and technology 1930):525-532, 3 figs (1930)

Myers, W. M.

29 Gypsum. Min Ind, 37:293-297, California 296 (1929)

Naramore, C.

06 (and others) The structural and industrial materials of California. Cal St M Bur, B 38:412 pp (1906)

Nason, Frank Lewis.

90 The Goler gold diggings (Cal.). Eng M J 50:223 (1890)

National Geographic Society.

96 The physiography of the United States; ten monographs by J. W. Powell, N. S. Shaler, I. C. Russell, Bailey Willis, C. Willard Hayes, J. S. Diller, W. M. Davis, G. K. Gilbert. 345 pp, N Y, American Book Co (1896)

National Petroleum News.

29 Associated finds deeper sand at Santa Fe Springs. Nat Pet News 21:49 (March 6, 1929)

Nature.

92 Earthquakes. Napa, March 13, 1892. Nature 45:471 (1892)

98 Earthquake of March 31, 1872. Nature 57:565 (1898)... June 29, 1891 44:206 (1891)

26 New theories of the mother rock of California petroleum. Nature 118:747-748 (1926)

Neff, J. H.

99 The California Miners' Association. *In* California mines and minerals (pub by California Miners' Association): 406-421, San Francisco, Cal (1899)

Neill, N. P.

05 (with **Holmes, J. G., Jensen, C. A., Marean, H. W., Root, A. S., McLendon, W. E., Burgess, J. L., Strahorn, A. T.,** and **Sweet, A. T.**) Soil survey of the Yuma area, Arizona-California. U S Dp Agr, Bur Soils, Rp 6, 1904:1025-1047, map 47 (1905)

05a (with **Holmes, J. G., Marean, H. W., Root, A. S., Sweet, A. T.,** and **McLendon, W. E.**) Soil survey of the San Bernardino Valley, Cal. U S Dp Agr, Bur Soils, Rp 6, 1904:1115-1151, map 53 (1905)

Nelson, J. W.

12 (with **Strahorn, A. T., Westover, H. L., Holmes, L. C., Eckmann, E. C.,** and **Van Duyne, Cornelius**) Soil survey of the Madera area, Cal. U S Dp Agr, Bur Soils, Rp 12:1717-1753, 1 pl, map 43 (1912)

15 (with **Strahorn, A. T., Holmes, L. C.,** and **Eckmann, E. C.**) Soil survey of the Fresno area, Cal. U S Dp Agr, Bur Soils, Rp 14:2089-2166, pls 29-31 and pl A, map 53 (1915)

16 (with **Holmes, L. C.,** and party) Reconnaissance soil survey of the Sacramento Valley, Cal. U S Dp Agr, Bur Soils, Rp 15:2297-2438, pls 40-42, map 54 (1916)

19 (with **Guernsey, J. E., Holmes, L. C., Eckmann, E. C.,** and **Lapham, Macy H.**) Reconnaissance soil survey of the lower San Joaquin Valley, Cal. U S Dp Agr, Bur Soils, 1915, Rp 17:2583-2733, pls 73-75, map 65 (1919)

19a (and **Holmes, L. C.**) Reconnaissance soil survey of the San Francisco Bay Region, Cal. U S Dp Agr, Bur Soils, Rp 16:2679-2784, pls 82-85, map 64 (1919)

19b (with **Pendleton, R. L., Dunn, J. E., Strahorn, A. T., Watson, E. B., Lapham, M. H.**) Soil survey of the Riverside area, Cal. U S Dp Agr, Bur Soils, Rp 17:2367-2450, pls 41-44, map 62 (1919)

Nelson, J. W.—Cont.

21 (with **Zinn, C. J., Strahorn, A. T., Watson, E. B., Dunn, J. E., Lapham, Macy H.**) Soil survey of the Los Angeles area. U S Dp Agr, Bur Soils, Rp 18:2347-2420, pls 66-68, map 59 (1921)

21a (with **Eckmann, E. C., Holmes, L. C., Guernsey, J. E., Lapham, M. H.**) Reconnaissance soil survey of the middle San Joaquin Valley, Cal. U S Dp Agr, Bur Soils, Rp 18:2421-2529, pls 69-71, map 60 (1921)

21b (with **Dean, W. C.,** and **Eckmann, E. C.**) Soil survey of the Upper San Joaquin Valley area, California. (advance sheets) U S Dp of Agr, Bur Soils, 1917: 116 pp, 4 pls, 1 fig, 1 map (1921)

23 (with **Dean, W. C., Kocher, A. E., Watson, E. B., Carpenter, E. J.,** and **Lapham, Macy H.**) Soil survey of the Ventura area, Cal. U S Dp Agr, Bur Soils, Rp 19:2321-2403, pls 56-57, map 56 (1923)

23a (with **Dean, W. C., Eckmann, E. C.,** and **Lapham, M. H.**) Reconnaissance soil survey of the upper San Joaquin Valley, Cal. U S Dp Agr, Bur Soils, Rp 19:2535-2644, pls 64-67, map 59 (1923)

Nelson, Richard Newman.

24 Geology of the hydrographic basin of the upper Santa Ynez River, Cal. (*abst*) G Soc Am, B 35:166-167 (1924) Cal Univ, Dp G, B 15:327-396, 13 figs, 4 pls (1925) (*abst*) G Zentralbl 33:558 (1926)

25 A contribution to the paleontology of the Martinez Eocene of California. Cal Univ, Dp G, B 15:397-466, 13 pls (incl map) (1925) (*abst*) G Zentralbl 33:511 (1926)

28 (and **Schenck, H. G.**) Calcareous algae in Pacific coast limestone. (*abst*) G Soc Am, B 39:266 (1928) (*abst*) Biol Absts 4:215 (1930)

29 (and **Schenck, H. G.**) Fossil calcareous algae in Pacific coast marine formations. Pan Am G 52:155-156 (1929) (*abst*) G Soc Am, B 41:209-210 (1930)

30 (and **Schenck, H. G.**) Eocene algae and stellate orbitoids from Santa Ynez Range. (*abst*) Pan Am G 54:240 (1930)

Nelson, W. I.

30 Mining methods and costs at the Engels mine, Plumas Co. U S B M Info Circ 6260 22 pp (1930) M Cong J 16, no 9:673-705 24 figs (September 1930)

Neumann, Frank.

26 Seismological report, July, August, September, 1925. U S, Coast S, serial 363, 64 pp (1926)

26a (and **Service, Jerry H.**) Seismological report, April, May, June, 1925. U S, Coast S, serial 337:46 pp (1926)

Neumann, Frank—Cont.

26b Seismological report, January, February, March, 1925. U S, Coast S, serial 328:48 (1926)

26c Seismological report, October-December, 1925, and supplement for 1924. U S, Coast S, serial 388:119 pp (1927)... January-March, 1926, serial 395:52 pp (1927)... April-June, 1926, serial 406:60 pp (1928)... July-September, 1926, serial 424-74 pp (1928)... October-December, 1926, serial 431:89 pp (1928)... January-March, 1927, serial 463:81 pp (1929)... April-June, 1927, serial 468:45 pp (1930)

Nevius, J. Nelson

16 Notes on the Randsburg tungsten district, Cal. M World, 45, no 1:7-8 (1916)

Newberry, John Strong (1822-1892).

56 Report upon the geology of the route (Williamson's survey in California and Oregon). U S, Pacific R R Expl (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91), 6 pt 2:5-68 (1856) (*abst*) Am J Sc (2) 26:122-126 (1858)

57 Allgemeiner Uberlick der Geologie von Nord Californien und Oregon. Edinb n philos J 5:380-382 (1857) (*abst*) N Jb 1858:103-104 (1858)

61 Geological report. *In* Ives, J. C., Report upon the Colorado River of the West (U S 36th Cong, 1st sess, H Ex Doc 14, no 90), pt 3:154 pp, il, maps (1861) (*abst*) Am J Sc (2) 33:387-403 (1862)

70 Notes on the later extinct floras of North America. Lyc N H, An 9:1 (1870) Reprint 76 pp (1870)

70a On the earliest traces of man found in North America. Lyc N H, N Y, Pr 1:2-5 (1870) Nature 2:366-367 (1870)

70b The ancient lakes of western America, their deposits and drainage. Lyc N H, N Y, Pr 1:25-32 (1870) Nature 2:385-387 (1870)

71 The ancient lakes of western America; their deposits and drainage. Am Nat 4:641-660 (1871) Can Nat (n s) 6: 112-118 (1871) U S G S, Wyo (Hayden), Prel Rp (4):329-339 (1871) Also *in* Hayden, F. V., Sun pictures of Rocky Mountain scenery...: 135-150, N Y (1870) (?)

74 Remarks on serpentine of the Coast and Cascade ranges. Lyc N H, N Y, Pr (2):66 (1874)

74a (On the occurrence of chromic iron and serpentine in California). Lyc N H, N Y, Pr (2) no 3:66 (1874)

77 Petroleum, geology of. Johnson's New Universal Cyclopaedia 3:1194-1197 (1877) Universal Cyclopaedia (Johnson's Revised) 6:222-234 (1889-1890)

81 The genesis and distribution of gold. Sch Mines Q 3:4-15 (1881) Eng M J 32: 416-417, 433-434 (1881) Kansas City Rv Sc 5:617-619 (1882)

Newberry, John Strong—Cont.

83 On supposed Tertiary ammonites. Ac N Sc Phila, Pr 1882:194-195 (1883)

85 The erosive power of glacier ice and its influence on the topography of North America. (*abst*) N Y Ac Sc, Tr 3:51-52 (1885)

Newberry, Spencer B.

92 Cement. U S G S, Min Res, Calendar Year 1889-90:461-464, California 462-464 (1892)... 1891:529-538, California 536 (1893)... 1900:737-744, California 737, 740 (1901)

95 Cement. U S G S, An Rp 16, pt 4: 580-585, California 581, 584, 585 (1895)... An Rp 19, pt 6:487-494, California 487, 492 (1892)

Newcomb, B. M.

02 Quicksilver in California. Min Ind 10: 555-557 (1902)

Newell, Frederick Haynes.

95 Report of progress of the division of hydrography for the Calendar Years 1893 and 1894. U S G S, B 131:126 pp, California 75-87 (1895)... 1895 140:356, California 246-330 (1896)

95a The public lands and their water supply. U S G S, An Rp 16, pt 2:457-533, pls 35-39, figs 48-57 (1895)

98 Report of progress of stream measurements for the Calendar Year 1897. U S G S, An Rp 19, pt 4:1-632, pls 1-70, California 508-539 (1898)... 1898 An Rp 20, pt 4:1-562, pls 1-63, California 524-562 (1900)... 1899 An Rp 21, pt 4:9-488, pls 1-57, California 444-488 (1901)... 1900 An Rp 22, pt 4:9-506, pls 1-36, California 461-506 (1902)

98a Operations at river stations, 1897, pt 2. U S G S, W-S P 16:105-200, California 185-196 (1898)

99 (and others) Report of progress of stream measurements for the Calendar Year 1897. U S G S, An Rp 19, pt 4:814 pp, California 508-632 (1899)

99a Operations of river stations 1898. U S G S, W-S P 28, pt 2:105-200 (1899)

99b Operations at river stations, 1898, pt 2. U S G S, W-S P 28:107-200, California 177-196 (1899)

00 Report of progress of stream measurements for the Calendar Year 1898. U S G S, An Rp 20, pt 4:660 pp, California 524-562 (1900)...

00a Report of progress of stream measurements for the Calendar Year 1899. U S G S, An Rp 21, pt 4:9-488, California 444-488 (1900)

00b Operations at river stations, 1899 (Part 5). U S G S, W-S P 39:403-471, California 403-438 (1900)

01 Report of progress of stream measurements for the Calendar Year 1900.

Newell, Frederick Haynes—Cont.

U S G S, An Rp 22, pt 4:9-506, California 461-506 (1901)

01a Operations at river stations, 1900 (Part 5). U S G S, W-S P 51:393-487, California 400-409, 450-487 (1901)... (Part 6) U S G S, W-S P 52:493-575, California 495-498 (1901)

02 Operations at river stations, 1901, pt 2. U S G S, W-S P 66:9-188, California 143-178 (1902)

Newland, D. H.

03 Manganese. Min Ind for 1902, 11: 459-465, California 459 (1903)

03a (with **Struthers**, Joseph, and **Fisher**, Henry) Copper. Min Ind for 1902, 11: 162-220, California 163, 165 (1903)

03b (with **Struthers**, J., and **Fisher**, H.) Gold and silver. Min Ind for 1902, 11: 252-295, California 252, 259-260 (1903)

03c Petroleum. Min Ind for 1902, 11: 497-515, California 497, 502 (1903)

03d Tin. Min Ind for 1902, 11:584-597, California 584 (1903)

04 Quicksilver industry in the United States for 1903. Min Ind 12:305-309, California, 305-306 (1904)

04a The mineral industry, during 1903. Min Ind 12:527 pp (1904)

04b Copper. Min Ind 12:74-128, California 74, 76 (1904)

Newman, M. A.

22 Nonmetallic minerals of southern California. Cal St M Bur, St Mineralogist's Rp 18:13-14, 230-234 (1922) G Zentralbl 29:425 (1923)

22a Los Angeles Field Division: Imperial, Inyo, Kern, Los Angeles, Riverside, San Bernardino, San Diego counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 18:47-49, 104-106, 220-223, 264-266, 307-311, 366-370, 419-424, 611-614, 740-744 (1922)

23 Los Angeles Field Division: Kern, San Bernardino, Los Angeles, San Diego, Imperial, Orange counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 19:29-33, 61-64, 97-100, 154-173 (1923)

Newsom, John Flesher (1869-1928).

03 Clastic dikes. G Soc Am, B 14:227-268, pls 21-31, figs 1-19 (1903)

08 Notes on the structure of the Santa Cruz Range, Cal. (*abst*) Geol Soc Am, B 18:657 (1908)

09 (with **Branner**, J. C., and **Arnold**, Ralph). Description of the Santa Cruz quadrangle, Cal. U S G S, G Atlas Santa Cruz, fol, no 163:11 pp, maps (1909)

Nicholas, Francis C.

07 Recent developments at Furnace Creek copper mines. M World, 27:1087-1088, 3 figs (1907) (*abst*) Eng Index 1908: 308 (1909)

Nicholls, William M.

25 Geologic section across the middle Salinas Valley of California from the San Antonio River to San Lorenzo Creek. (*abst*) G Soc Am, B 36:201 (1925)

Nichols, Henry Windsor.

06 New forms of concretions. Sand-calcite concretions from Salton, Cal. Field (Col) Mus, Geol Ser 3, no 3:25-31 (1906)

Nicholson, G. F.

29 Variations in levels, 1919 to 1927, in Los Angeles Harbor. Seism Soc Am, B 19:200-205 (1929)

Nickell, F. A.

30 Geology of Soledad quadrangle. (*abst*) Pan Am G 54:157 (1930)

Nickles, John M.

09 Bibliography of North American geology for 1906 and 1907, with subject index. U S G S, B 372:317 pp (1909)... 1908; B 409:148 pp (1909)... 1909; B 444: 174 pp (1910)... 1910; B 495:179 pp (1911)... 1911; B 524:162 pp (1912)... 1912; B 545: 192 pp (1912)... 1913; B 584:183 pp (1914)... 1914; B 617:167 pp (1915)... 1915; B 645: 144 pp (1916)... 1916; B 665:172 pp (1917)... 1917; B 684:154 pp (1918)... 1918; B 698:148 pp (1919)... 1919-20; B 731:ii, 282 pp (1922)... 1921-22; B 758:ii, 273 pp (1924)... 1923-24; B 784:iii, 280 pp (1927)... 1925-26: B 802:286 pp (1928)

24 Geologic literature on North America, 1875-1918. Part 1, Bibliography, U S G S, B 746:1167 pp (1923) (Published March, 1924): Part 2, Index, B 747:658 pp (1924) G Zentralbl 31:256 (1924)

Noble, Levi F.

22 (and **Mansfield**, G. R., and others) Nitrate deposits in the Amargosa region, southeastern California. U S G S, B 724: 99 pp, 7 figs, 35 pls (incl maps), (1922) (*abst*) G Zentralbl 29:514 (1923)

23 (with **Gregory**, Herbert E.) Notes on a geological traverse from Mohave, Cal., to the mouth of San Juan River, Utah. Am J Sc (5) 5:229-238 (1923) (*abst*) G Zentralbl 29:402 (1923)... 30:369 (1924) N Jb 1925, Band 1:257-258 (1925)

26 Note on a colemanite deposit near Shoshone, Cal., with a sketch of the geology of a part of Amargosa Valley. U S G S, B 785:63-73, 1 fig (1926) (*abst*) G Zentralbl 37:129 (1928) Rv Geol et Sci conn 8:78-79 (1927)

Noble, Levi F.—Cont.

26a Borate deposits in the Kramer district, Kern County, Cal. U S G S, B 785:45-61, 5 figs (1926) (*abst*) G Zentralbl 37:185 (1928) Rv Geol et Sci conn 8:78 (1927)

26b The San Andreas rift and some other active faults in the desert region of southeastern California. Carnegie Inst, Wash, Y Bk 25:415-428 (1926) Seism Soc Am, B 17:25-40 (1927) (*abst*) Nature 119:834 (1927)

Nolan, E. D.

19 (and **Beal,** C. H.) Application of the law of equal expectations to oil production in California. Am I M Eng, B 152: 1237-1245 (1919)

Nomland, Jorgen O.

16 Corals from the Cretaceous and Tertiary of California and Oregon. Cal Univ, Dp G, B 9:59-76, il (1916) (*abst*) G Soc Am, B 27:174 (1916) G Zentralbl 30:126 (1924)

16a Relation of the invertebrate to the vertebrate faunal zones of the Jacalitos and Etchegoin formations in the north Coalinga region, Cal. Cal Univ, Dp G, B 9:77-88, il (1916) (*abst* with discussion by J. C. Merriam) G Soc Am, B 27:172 (1916)

16b Fauna from the lower Pliocene at Jacalitos Creek and Waltham Canyon, Fresno Co., Cal. Cal Univ, Dp G, B 9: 199-214, il (1916) (*abst*) G Zentralbl 30:90 (1924)

17 New fossil corals from the Pacific coast. Cal Univ, Dp G, B 10:185-190, il (1917) (*abst*) G Zentralbl 29:539 (1923)

17a The Etchegoin Pliocene of middle California. Cal Univ, Dp G, B 10:191-254, il (1917)

17b Fauna of the Santa Margarita beds in the North Coalinga region of California. Cal Univ, Dp G, B 10:293-326, il (1917)

17c Fauna of the Etchegoin Pliocene of middle California (*abst*) G Soc Am, B 28:229-230 (1917)

Normile, Thomas.

22 China clay in California. Cal St M Bur, Mining in California. St Mineralogist's Rp 18:554-557 (1922)

Norris, Byron B.

30 Report on the oil fields on or adjacent to the Whittier fault. Cal Oil Fields 15, no 4:5-20, 6 pls, (1930)

North, Ed.

90 Pico Cañon Oil Fields. Cal St M Bur, St Mineralogist's An Rp 10:283-298 (1890)

Northrop, John D.

16 Asphalt. U S G S, Min Res, Calendar Year 1914, pt 2:347-362, California 352 (1916)... 1915:135-150, California 135, 137, 140-141 (1917)... 1916:263-281, California 263, 268-269 (1919)... 1917:233-251, California 238-239, 249 (1920)

16a Natural gas. U S G S, Min Res, Calendar Year 1914, pt 2:747-818 California 749-758, 793-795, 799-800, 804-805, 810 (1916)... 1915:927-1015, California 931, 932-941, 983-986, 997-1000 (1917)... 1916:585-678, California 586-597, 638-640, 648-651, 654-655, 669 (1919)... 1917:1051-1114, California 1052-1053, 1055-1064, 1102-1104 (1920)

16b Gasoline from natural gas. U S G S, Min Res, Calendar Year 1914, pt 2:798-809, California 799-800, 804-805 (1916)... 1915:990-1007, California 996-1000 (1917)... 1916:644-662, California 648-651, 654-655 (1919)... 1917:1115-1136, California 1117-1120, 1126-1127 (1920)

16c Petroleum. U S G S, Min Res, Calendar Year 1914, pt 2:893-1098, California 894, 896-898, 900-901, 904-909, 911, 917, 1039-1045 (1916)... 1915:559-760, California 564, 566-568, 573-576, 578-579, 581-582, 586, 701-709 (1917)... 1916:679-886, California 680, 684, 686-688, 692-701, 703-704, 838-846 (1919)... 1917:683-901, California 685, 687-696, 838-848, 864 (1920)

16d Petroleum. U S G S, B 666:183-195, California 185, 189 (1919)

Nourse, M. R.

22 (and **Hicks,** W. B.) Potash. U S G S, Min Res, Calendar Year 1919:77-94, California 78-81 (1922)

23 Potash. U S G S, Min Res, Calendar Year 1920:97-121, California 102-105, 107-108, 110 (1923)... 1921:51-63, California 53, 55 (1924)

Nutter, Edward Hoit.

01 Sketch of the geology of the Salinas Valley, Cal. J G 9:330-336, map (1901) (*abst*) G Zentralbl 9:639 (1907)

02 (and **Barber,** W. B.) On some glaucophane and associated schists in the coast ranges of California. J G 10:738-744 (1902) (*abst*) G Zentralbl 9:598 (1907)

O'Brien, Chas. J.

03 Geology of the district west of Redding, Cal. M Sc Press, 86:349 (1903) (*abst*) G Zentralbl 9:640 (1907)

Ochsenius, Carl.

02 Natronsaltpeter in California. Zs Prak G 10:337-339 (1902)

Odendall, L.

09 Die Kuppererzlagerstatten in Nordamerika. Inaug Diss, Univ Bonn 63 pp Köln (1909) G Zentralbl 17:444 (1912)

Of, Charles.

12 Mineral industry, its statistics, technology and trade, during 1911. 20:997 pp 1912... 1912, 21:1090 pp (1913)

Oil Age.

23 Torrance-Redondo field. 20:6-7, 23, 46 (August, 1923)

23a Wyoming invasion of California. 20:39-40 (December, 1923)

Oil and Gas Journal.

23 Santa Fe Springs, Cal., decline curves. 22:150, 219 (October 4, 1923)

Oil Trade.

27 Ingenious miniature illustrates typical oil field. 18:64 (January, 1927)

Oil Weekly.

21 Where lubricating oil flows from surface in California. 22:32 (September 3, 1921)

23 Deeper oil sands untouched in California? 29:55-56 (June 9, 1923)

28 Exploration in southwestern Humboldt Co., California. Oil Weekly 19, no 8:54, 56, 58 (May 11, 1928) Pet Times 19, no 487:887-888 (May 12, 1928) (*abst*) Eng Index 1928:1376 (1929)

Oldham, Richard Dixon.

06 Recent earthquakes. Geog J 27:613-616 (1906)

08 Note on the duration of the first preliminary tremor in the San Francisco and Colombian earthquakes. Brit As, Rp 77: 93 (1908)

09 The geological interpretation of the earth movements associated with the Californian earthquake of April 18, 1906. G Soc, London, Q J 65:1-16 (1909)

Oldroyd, Ida S.

24 Description of a new fossil species of a clam of the genus *Crassatellites* (Pleistocene, near Lomita, Los Angeles Co., Cal.). S Cal Ac Sc, B 23:10, 1 fig (1924)

Oldroyd, T. S.

14 A remarkably rich pocket of fossil drift from the Pleistocene. Nautilus, 28, no 7:80-82 (1914)

16 Molluscan fauna from Deadmans Island. (*abst*) G Soc Am, B 27:173 (1916)

21 Some varieties of western Olivellas. Nautilus 34:117-119, 1 pl (1921)

21a New Pleistocene mollusks from California. Nautilus 34:114-116, 1 pl (1921) (*abst*) G Zentralbl 26:537 (1921) Rv Geol et Sci conn 2:528-529 (1921)

24 The fossils of the lower San Pedro fauna of Nob Hill cut, San Pedro, Cal. U S Nat Mus, Pr 65, art 22:39 pp, 2 pls (1924)

Oliphant, F. H.

98 Petroleum and natural gas. U S G S, An Rp 19, pt 6:1-185, California 97-99, 168-173, 179 (1898)... An Rp 20, pt 6:1-224, California 4-6, 9, 120-123, 209-210, 220-221 (1899)... An Rp 21, pt 6:1-318, California 5-9, 11-12, 155-166, 314 (1901)

01 Petroleum. U S G S, Min Res, Calendar Year 1900:537-627, California 537, 540-542, 583-586, (1901)... 1901:525-611, California 525-527, 530-532, 583 (1902)... 1902: 535-630, California 535-537, 539-543, 545, 580-582 (1904)... 1903:635-718, California 635-644, 646, 681-689 (1904)... 1904:675-759, California 675-684, 689, 718-724 (1905)

01a Natural gas. U S G S, Min Res, Calendar Year 1900:629-651, California 635, 637-638, 648-649, (1901)... 1901:613-632, California 617, 619, 620-621, 630 (1902)... 1902:631-655, California 632-639, 651-652 (1904)... 1903:719-743, California 721-726, 740-741 (1904)... 1904:761-788, California 762, 764-769, 787 (1905)

Oliver, E. L.

03 Deep workings at North Star mine, California. Eng M J 76:925 (1903)

Olmstead, F. H.

01 Physical characteristics of Kern River, California. U S G S, W-S P 46:11-38 (1901)

Omori, Fusakichi.

06 Note on the San Francisco earthquake of April 18, 1906. (Japan) Earthquake Investigation Com Publications in Foreign Languages, no 21, app 2:3 pp (1906)

06a Observations of distant earthquakes. Astron Soc Pacific, Pub 18:193-203 (1906) M Sc Press 92:394-398 (1906) Reprinted *in* After earthquake and fire 138-147 San Francisco (1906)

06b On the great earthquake of April 18, 1906, of San Francisco. J Geog (pub by Tokyo Geog Soc) 18:764-777 (1906), (In Japanese)

07 Preliminary note on the cause of the San Francisco earthquake of April 18, 1906. Imp Earthquake Investigation Com, B 1:7-25 (1907) Reprinted *in* Jordan, D. S., editor, The California earthquake of 1906:281-318, San Francisco (1907) (*abst*) G Zentralbl 10:108 (1908)

07a Preliminary note on the seismographic observations of the San Francisco earthquake of April 18, 1906. Imp Earthquake Investigation Com, B 1:26-43 (1907) (*abst*) G Zentralbl 10:109 (1908)

07b Comparison of the faults in the three earthquakes of Mino-Owari, Formosa, and San Francisco. Imp Earthquake Investigation Com, B 1:70-72 (1907) (*abst*) G Zentralbl 10:107 (1908)

O'Neill, Edmond.

01 The development of the petroleum industry. Cal Univ Chronicle 4:3-29, California 6-29 (1901)

03 Petroleum in California. Am Chem Soc, J 25:699-711 (1903)

Orcutt, Charles Russell.

87 Minerals and mines of San Diego Co., Cal. West Am Sc 3:69-72 (1887)

89 Some notes on Tertiary fossils of California. West Am Sc 6, no 42:4-5 (1889)

89a Some notes on Tertiary fossils of California. West Am Sc 6:84-87 (1889)

90 The Colorado Desert. Cal St M Bur, An Rp 10:899-919 (1890)

98 Note on the occurrence of tourmalines in California. (*abst*) Am As, Pr 47: 306 (1898) Am G 22:265 (1898) Science (n s) 8:505 (1898)

00 Catalogue of fossils in the Orcutt collection. West Am Sc 11, no 84:15-16 (1900)

01 Mohave Desert iron mines. West Am Sc 12, no 105:73-74, no 106:91-92 (1901)

01a Minerals tributary to San Diego Bay. West Am Sc 12, no 102:15-25 (1901)

01b Tourmaline. West Am Sc 12, no 108:113-115 (1901)

01c The Colorado Desert. West Am Sc 12, no 102:2-11 (1901); 15, no 128:38-48 (1903)

Orcutt, W. W.

24 Early oil development in California. Am As Petroleum G, B 8:61-72 (1924)

Ord, E. O. C.

50 Report of the investigations in the southern part of California. *In* Report of the Secretary of War, U S 31st Cong, 1st Sess, S Ex Doc 47:119-127 (1850)

Osbon, C. C.

21 Asphalt. U S G S, Min Res, Calendar Year 1918:447-494, California 448, 453, 455-456, 468-472 (1921)

Osborn, Henry Fairfield.

02 Recent zoopaleontology: Triassic ichthyosaurs from California and Nevada. Abandonment of the Oligocene and Miocene lake basin theory. Studies of Eocene Mammalia in the Marsh collection, Peabody Museum. Science (n s) 16:749-752 (1902) G Zentralbl 9:662 (1907)

22 *Dibelodon edensis* (Frick) of southern California; *Miomastodon* of the middle Miocene, new genus. Am Mus Novitates, no 49:4 pp, 3 figs (October 23, 1922)

O'Shaughnessy, M. M.

99 The copper resources of California. *In* California Mines and minerals (pub. by California Miners' Association):205-218, San Francisco, Cal. (1899)

Osmont, Vance C.

05 A geological section of the Coast Ranges north of the Bay of San Francisco. Cal Univ, Dp G, B 4:39-87 (1905) (*abst*) G Zentralbl 7:707-708 (1926)

05a Arcas of the California Neocene. Cal Univ, Dp G, B 4:89-100, il (1905) (*abst*) G Zentralbl 8:62 (1906)

Otsuka, S.

03 A short sketch on the petroleum industry of Europe and America (in Japanese). Japan G S, B 16, no 1:82 pp, maps (1903)

Overbeck, R. M.

24 (with **Schwennesen**, A. T., and **Dubendorf**, H. H.) The Long Beach oil field (California) and its problems. Am As Petroleum G, B 8:403-423, 6 figs, 1 pl (1924)

Owen, David Dale (1807-1860).

52 Notice of a new mineral from California. Ac N Sc Phila, Pr 6:108-109 (1852)

Oxland, C.

75 California (*abst*) Plymouth Inst, Tr 5, pt 2:326-331 (1875) (*abst*) G Rec 1876: 360 (1878)

Pabst, Adolf.

28 Observations on inclusions in the granitic rocks of the Sierra Nevada, California. Cal Univ, Dp G, B 17:325-386, 9 pls, 10 figs (1928) (*abst*) G Zentralbl 41:66 (1930)

29 Mineralogy and petrology of the Yosemite region. Dept Interior, National Park Service, Yosemite National Park, Yosemite Ranger-Naturalist Manual, 2: 53-63 (1929)

Pack, Robert Wallace.

09 Notes on echinoids from the Tertiary of California. Cal Univ, Dp G, B 5, no 18:275-283, 2 pls (1909) (*abst*) G Zentralbl 14:112 (1910)

13 Notes on *Scutella norrisi* and *Scutaster andersoni*. Cal Univ, Dp G, B 7:299-304, 1 pl (1913)

13a (and **Merriam**, J. C.) Suggested paleontologic correlation between continental Miocene deposits of the Mohave region and marine Tertiary beds of San Joaquin Valley, Cal. (*abst*) G Soc Am, B 24:128 (1913)

14 (and **English**, W. A.) Geology and oil prospects in Waltham, Priest, Bitterwater, and Peachtree valleys, California. U S G S, B 581:119-160, map (1914)

14a Ornamental marble near Barstow, Cal. U S G S, B 540:363-368 (1914)

Pack, Robert Wallace—Cont.

14b Reconnaissance of the Barstow-Kramer region, Cal. U S G S, B 541:141-154, map (1914)

15 (with **Anderson**, R.) Geology and oil resources of the west border of the San Joaquin Valley north of Coalinga, Cal. U S G S, B 603:220 pp, map (1915) (*abst*) Wash Ac Sc, J 5:647-648 (1915) (*abst*) Petermann's Mitt 1923:192 (1923) (*abst*) Eng Index 1915:356 (1915)

16 Structural features of the San Joaquin Valley oil fields, Cal. (*abst*) Wash Ac Sc, J 6:309-310 (1916)

17 Oil fields of the Pacific coast. G Soc Am, B 28:677-684 (1917)

17a The estimation of petroleum reserves. Am I M Eng, B 128:1121-1134 (1917); discussion:1866-1868 (1917) Tr 57: 968-981 (1918); discussion 931-983 (1918) Met Chem Eng, 17:227-232 (1917)

20 The Sunset-Midway oil field, California: Part 1, Geology and oil resources, U S G S, P P 116:179 pp, 45 pls (incl maps), 15 figs (1920) (*abst*) by J. D. Sears Wash Ac Sc, J 11:58 (1921)

Packard, Alpheus Spring, Jr. (1831-1905).

77 Glacial marks on the Pacific and Atlantic coasts compared. Am Nat 11: 674-680 (1877)

Packard, Earl Leroy.

14 Some west coast Mactridae. (*abst*) G Soc Am, B 25:151-152 (1914)

15 Correlation between invertebrate faunas of California and those of Mexico. (discussion) G Soc Am, B 26:414-415 (1915)

15a Evolution of the Pacific coast Mactridae. (*abst*) G Soc Am, B 26:170 (1915)

16 Faunal studies of the Cretaceous of the Santa Ana Mountains of southern California. Cal Univ, Dp G, B 9:137-159, map (1916) (*abst*) G Soc Am, B 27:174 (1916) G Zentralbl 30:81-82 (1924)

16a Mesozoic and Cenozoic Mactridae of the Pacific coast of North America. Cal Univ, Dp G, B 9:261-360, il (1916) (*abst*) G Zentralbl 30:88-89 (1924)

21 The Trigoniae from the Pacific coast of North America. Oregon Univ, Pub, 1, no 9:58 pp, 11 pls (May, 1921) (*abst*) G Zentralbl 29:284-285 (1923)

22 New species from the Cretaceous of the Santa Ana Mountains, California. Cal Univ, Dp G, B 13:413-462, 15 pls (1922) (*abst*) G Zentralbl 30:347 (1924) Rv Geol et Sci conn 4:351-352 (1923)

Packard, George A.

09 Copper mines and smelteries of Shasta Co., Cal. Eng M J 88:393-399 (1909) (*abst*) Eng Index 1909:346 (1910)

Packard, R. L.

93 Natural sodium salts. U S G S, Min Res 1893:728-738 (1893)

Pagan, W. D.

14 (and **Hague**, William.) The North Star mine, Grass Valley. M Sc Press 109:549-552 (1914) (*abst*) Eng Index 1914: 407 (1915)

Palache, Charles.

93 The soda rhyolite north of Berkeley, Cal. Cal Univ, Dp G, B 1:61-72 (1893)

94 The lherzolite serpentine and associated rocks of the Petrero, San Francisco. Cal Univ, Dp G, B 1:161-179 (1894)

94a On a rock from the vicinity of Berkeley containing a new soda amphibole. Cal Univ, Dp G, B 1:181-192 (1894)

96 (with **Ransome**, F. L.) Ueber Lawsonit, ein neues gesteinsbildendes Mineral aus Californien. Zs Kryst 25:531-537 (1896)

02 (with **Lawson**, A. C.) The Berkeley Hills, a detail of Coast Range geology. Cal Univ, Dp G, B 2:349-450, map (1902)

09 Note on a crystal form of benitoite. Am J Sc (4) 27:398 (1909)

Palmer, Andrew H.

16 California earthquakes during 1915. Seism Soc Am, B 6:8-25 (1916) 1916, 7:1-17 (1917) 1917, 8:1-12 (1918) 1918, 9:1-7, 1 pl (1919) 1919, 10:1-8, 1 pl (1920) 1920, 11:7-14 (1921) 1921, 12:20-23, 1 pl (1922)

16a An eruption of Lassen Peak. Mo Weather Rv 44: 571-573 (1916)

20 Recent California earthquakes. Sc Mo 10:529-552, 17 figs (1920)

Palmer, Chase.

22 Phosphorus in Californian petroleum. Ec G 17:100-104 (1922) (*abst*) G Zentralbl 32:135 (1925)

24 California oil-field waters. Ec G 19: 623-635 (1924) (*abst*) G Zentralbl 31: 661 (1925)

Palmer, Dorothy Bryant Kemper.

23 A fauna from the middle Eocene shales near Vacaville, Cal. Cal Univ, Dp G, B 14:289-318, 6 pls (1923) (*abst*) G Zentralbl 31:343 (1925) Rv Geol et Sci conn 5:575, 787-788 (1924) N Jb 1925, 1 Band: 265 (1925)

23a (and **Clark**, B. L.) Revision of the Rimella-like gastropods from the west coast of North America. Cal Univ, Dp G, B 14:277-288, pl (1923) (*abst*) G Zentralbl 31:348 (1925)

Palmer, Leroy A.

14 Ore occurrence at the Cloverdale mine (Sonoma Co., Cal.). M Sc Press 108:812 (1914)

Palmer, Leroy A.—Cont.

16 A sedimentary magnesite deposit (Bissell, Cal.). Eng M J 102:965-967 (1916)

18 The Calico district, Cal. M Sc Press 116:755-758 (1918) (*abst*) Eng Index 1918: 326 (1919)

22 The eastern portion of the Mohave Desert, a region of diversified mineral possibilities. Pacific M News 1:234-235 (1922)

27 Magnesite mining in California. (*abst*) M Metal 8:86 (1927) M Cong J 13: 180-184 (1927) Am I M Eng, Tr, reprint 1629-H (1927) M Mag 36:250–251 (1927)

27a Kernite or rasorite? Eng M J-Press 123:494 (1927)... 125:207-208 (1928)

Papish, Jacob.

29 (and **Brewer**, F. M., and **Holt**, Donald A.) Gallium in lepidolite. Min Absts 4:88 (1929)

Park, James.

05 Metasomatic replacement. Eng M J 79:799 (1905)

Parke, John G.

55 Report of explorations for that portion of a railroad route near the thirty-second parallel of north latitude lying between Dona Ana, on the Rio Grande, and Pinas villages, on the Gila. U S Pacific R R Expl (U S 33d cong, 1st sess, H Ex Doc 129): 53 pp (1855); also (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 7 pt 1:18 pp, maps, 2:22 pp (1856)

Parker, Edward W.

92 Asbestos. *In* U S 11th Census Report on Mineral Industries in the United States. 727-730 (1892)

92a Asphaltum. U S G S, Min Res, Calendar Year 1889-90:477-481, California 477-478 (1892)

92b Asphaltum. *In* U S 11th Census Report on Mineral Industries in the United States. 579-588 (1892)

92c Gypsum. *In* U S 11th Census Report on Mineral Industries in the United States. 697-704 (1892)

92d Infusorial earth. *In* U S 11th Census Report on Mineral Industries in the United States. 705-708 (1892)

94 California asphaltum and bituminous rock. U S G S, Min Res, Calendar Year 1893:629-636 (1894)

94a Salt. U S G S, Min Res, Calendar Year 1893:717-727, California 719, 721 (1894)... 1900:835-847, California 835-837 (1901)

95 Salt. U S G S, An Rp 16, pt 4:646-657, California 647-648, 650 (1895)... An Rp 18, pt 5:1273-1313, California 1274-1281, 1312 (1897)... An Rp 19, pt 6:587-612, California 587-597 (1898)... An Rp 20, pt 6:667-688, California 668, 670-671, 674-678 (1899)... An Rp 21, pt 6:531-553, California 537-542 (1901)

Parker, Edward W.—Cont.

95a Asphaltum. U S G S, An Rp 16, pt 4:430-435, California 430-432 (1895)... An Rp 19, pt 6:187-204, California 190-193 (1898)... An Rp 20, pt 6: 251-268, California 254-256 (1899)... An Rp 21, pt 6:319-331, California 319-322 (1901)

95b Coal. U S G S, An Rp 16, pt 4:1-217, California 6, 7, 8, 11, 12, 14, 15-19, 50-51, 73-74 (1895)... An Rp 18, pt 5:351-632, California 472-473 (1897)... An Rp 19, pt 6:273-543, California 278-282, 290-307, 375-377, 388-389 (1898)... An Rp 20, pt 6: 295-507, California 297-304, 310-328, 400-401 (1899)... An Rp 21, pt 6:321-519, California 323, 325, 327, 329, 330, 335-338, 342-349, 352-359, 418-420, 430-432 (1901)

97 Infusorial earth. U S G S, An Rp 18, pt 5:1219-1231, California 1229-1230 (1897)

97a Gypsum. U S G S, An Rp 18, pt 5: 1263-1271, California 1266-1267 (1897)... An Rp 19, pt 6:577-585, California 578, 582 (1898)... An Rp 20 pt 6:657-666, California 658, 662 (1899)... An Rp 21, pt 6: 523-530, California 523-524, 526-527 (1901)

98 Asbestos. U S G S, An Rp 19, pt 6: 623-626, California 624 (1898)

98a Soapstone. U S G S, An Rp 19, pt 6:311-315, California 311 (1898)... An Rp 20, pt 6:551-556, California 552 (1899)... An Rp 21, pt 6:413-418, California 413 (1901)

01 Gypsum. U S G S, Min Res, Calendar Year 1900:827-833, California 828, 830 (1901)

01a Asphaltum and bituminous rock. U S G S, Min Res, Calendar Year 1900: 653-660, California 653-655 (1901)

09 (and **Campbell**, M. R.) Coal fields of the United States. U S G S, B 394: 7-26 (1909) Nat Conservation Comm Rp (60th cong, 2d sess, Sen Doc no 676), 3:426-442 (1909) Am I M Eng, B 28: 265-272 (1909) Tr 40:253-260 (1910)

13 Mineral products of the United States: Review of conditions and output. U S G S, Min Res, Calendar Year 1911:7-90, California 20-22 (1912)... 1912: 7-112, California 26-28 (1913)... 1913:vii-cxxv, California xxviii-xxx (1914)

13a The geographical distribution of mining development in the United States. Am I M Eng, B 75:443-452 (1913)

Parker, Ivan H.

99 Placer County's Mining Story. *In* California mines and minerals (pub by

Parker, Ivan H.—Cont.

California Miners' Association): 288-304, San Francisco, Cal. (1899)

Parmelee, H. C.

15 Gold and silver. Min Ind, 23:277-339, California 283, 284, 289-292 (1915)

Parry, Charles Christopher (1823-1890).

57 Physical and geological description of the country from the initial point on the Pacific to the junction of the Gila and Colorado. *In* Emory, W. H., Report on the United States and Mexican boundary survey... (U S 34th cong, 1st sess, S Ex Doc 108 and H Ex Doc 135), v 1, pt 2:78-99 (incl extract from report of Arthur Schott: 92-98), (1857)

57a Reconnaissance to the mouth of the Gila River from San Diego, Cal... *In* Emory, W. H., Report on the United States and Mexican boundary survey... (U S 34th cong, 1st sess, S Ex Doc 108 and H Ex Doc 135) 1:125-130 (1857)

57b General geological features of the country. *In* Emory, W. H., Report on the United States and Mexican boundary survey... (U S 34th cong, 1st sess, S Ex Doc 108 and H Ex Doc 135), 1, pt 2:1-23 (1857)

69 Preliminary report. *In* **Palmer,** Wm. J. Report of surveys across the continent in 1867-68:196-228, Phila (1869)

Parsons, A. B.

21 The California Rand silver mine. M Sc Press 123, no 20:667-675 (1921) idem, no 25:855-859 (1921) idem 124, no 1:11-17 (1922)

28 Copper. Min Ind 36:117-165, California 130, 135 (1928)

Parsons, A. T.

30 Reducing the hazard of wildcatting by the employment of geophysics. The Record (Associated Oil Company) 11, no 5:3-5, 8 (May 1930)

Parsons, Floyd W.

06 Petroleum. Min Ind 14:468-487, California 469, 470-471 (1906)

07 Coal and coke. Min Ind 15:124-190, California 124, 129 (1907)... 16:178-235, California 178 (1908)

Parsons, H. G.

00 The oil fields of Kern Co., Cal. M Sc Press 81:492-493, 520-521, 531 (1900)

00a Oil fields of Fresno Co., Cal. M Sc Press 81:545 (1900)

Patterson, J. W.

29 (with **Stock,** Chester, and **Furlong,** E. L.) Tertiary mammalian fauna from the Kern River series, California. (*abst*)

Patterson, J. W.—Cont.

G Soc Am, B 40:260 (1929) Pan Am G 49:318 (1928)

Patterson, R. C.

30 Unit plan proposal at Kettleman Hills. Oil Gas J 29:63, 106-107 (October 16, 1930)

Patterson, R. M.

50 Ueber die Beschaffenheit und das Vorkommen des Goldes, Platins und der Diamanten in den Vereiningten Staaten. Deut G Ges, Zs 2:60-64 (1850)

Patton, William.

55 Geology of a portion of Calaveras County. *In* Cal Surveyor-General, An Rp 1854:App to Senate Journal, 6th sess, Doc 5, App F: 86-88 Sacramento (1855)

Pavlov, A. P.

07 Enchainement de Aucelles et Aucellines due Crétacé russe. Nouv Mem Soc Imp Nat Moscou 22:1-93, figs, pls (1907)

Peale, Albert Charles.

85 Mineral waters. U S G S, Min Res, Calendar Year 1883-84:978-987, California 980-986 (1885)... 1885:536-543, California 537 (1886)... 1886:715-721, California 715-716 (1887)... 1887:680-687 California 683 (1888)... 1888:623-630, California 626, 630 (1890)... 1889-90:521-535, California 522, 525 (1892)... 1891:601-610, California 603-604, 609 (1893)... 1892:823-834, California 824, 826, 833 (1893)... 1893:772-794, California 773-774, 776, 784, 786-787, 794 (1894)... 1900:899-905, California 900-901, 903 (1901)

86 Lists and analyses of the mineral springs of the United States. U S G S, B 32:235 pp (1886)

92 Mineral waters. *In* U S 11th Census Report on Mineral Industries in the United States. 777-788 (1892)

94 Natural mineral waters of the United States. U S G S, An Rp 14, pt 2:51-88 (1894)

95 Mineral waters. U S G S, An Rp 16, pt 4:707-721, California 708-709, 711 (1895)... An Rp 18, pt 5:1369-1389, California 1371-1376 (1897)... An Rp 19, pt 6: 659-680, California 660-666 (1898)... An Rp 20, pt 6:747-769, California 749-755, 767 (1899)... An Rp 21, pt 6:597-622, California 599, 605, 620 (1901)

Pearce, C. E.

29 (and **Morris,** S. B.) Design of gravity dam in San Gabriel Canyon to resist earthquakes. Seism Soc Am, B 19:143-155 (1929)

Peck, Albert B.

24 Note on andalusite from California; a new use and some thermal properties. Am Mineralogist 9:123-129, 1 fig (1924) Cal St M Bur, Mining in California, St Mineralogist's Rep 20, no 2:149-154, 1 fig (1924) Min Absts 3:51 (1926)

Peck, Frederick B.

14 Talc (and soapstone). Min Ind 22: 713-722, California 718 (1914)... 23:710-714, California 712-713 (1915)... 24:661-663, California, 661-662 (1916)... 25:695-697, California 696 (1917)... 26:670-673, California 671, 672 (1918)... 27:684-689, California 684 (1919)... 28:656-668, California 659-660 (1920)... 29:652-657, California 652 (1921)... 30:658-665, California 659, 661, 665 (1922)... 31:658-666, California 663 (1923)

Peckham, Stephen Farnham (1838-1918).

69 Notes on the origin of bitumens... Am Ph Soc, Pr 10:445-462 (1869)

72 Chemical examination of the Pacific coals. Cal G S, Geology 2, Appendix E: 41-48 (1872)

82 Examination of the bituminous substances occurring in southern California. Cal G S, Geology 2 App: 49-90 (1882)

84 Report on the production, technology, and uses of petroleum and its products. U S 10th Census 10:319 pp, maps (1884)

84a On the origin of bitumens. Am J Sc (3) 28:105-117 (1884) 48:389-395 (1894) (*abst*) Nature 40:515 (1894)

85 Petroleum. Encyclopaedia Britannica 9th edition 18:712-720 (1885)

94 Petroleum in southern California. Science 23:74-75 (1894)

94a On the nitrogen content of California bitumens. Am J Sc (3) 48:250-255 (1894)

95 Petroleum in southern California. U S G S, An Rp 16, pt 3:370-374 (1895)

97 On the nature and origin of petroleum. Am Ph Soc, Pr 36:103-112 (1897)

00 Bitumen. The Universal Cyclopaedia 2:37-39 (1900)

Pehrson, Elmer W.

29 (and **Common Metals Division**) Summarized data of lead production. U S B M, Ec P 2:i-iv, 47 pp, 15 tables, figs, California 23 (1929)

Pemberton, J. R.

29 Elk Hills, Kern Co., Cal. In Str (Typ Am Oil Fields 2:44-61 (1929) (*ann*) An Bib Ec G 2:414 (1929) (*abst*) G Zentralbl 41:435 (1930) (*abst*) Eng Index 1930:1300 (1931)

Pendleton, R. L.

19 (and **Watson**, E. B.) Soil survey of the Ukiah area, Cal. U S Dp Agr, Bur Soils, Rp 16:2629-2677, pls 77-81, map 63 (1919)

19a (with **Watson**, E. B., **Dean**, W. C., **Zinn**, C. J., and **Lapham**, M. H.) Soil survey of the Healdsburg area, Cal. U S Dp Agr, Bur Soils, Rp 17:2199-2253, pls 50-54, map 59 (1919)

19b (with **Nelson**, J. W., **Dunn**, J. E., **Strahorn**, A. T., **Watson**, E. B., and **Lapham**, M. H.) Soil survey of the Riverside area, Cal. U S Dp Agr, Bur Soils, Rp 17: 2367-2450, pls 61-64, map 62 (1919)

19c (with **Holmes**, L. C., and **Lapham**, M. H.) Reconnaisance soil survey of the San Diego region, Cal. U S Dp Agr, Bur Soils, Rp 17:2509-2581, pls 69-72, map 64 (1919)

Penfield, Samuel Lewis.

85 (and **Dana**, E. S.) Mineralogical notes. Am J Sc (3) 30:136-139 (1885) Cal St M Bur, An Rp 5:65-66 (1885)

85a Crystallized tiemannite and metacinnabarite. Am J Sc (3) 29:449-454 (1885) Yale Bicen Pub, Contr Miner: 130-133 (1901)

92 Notes on the crystallography of metacinnabarite. Am J Sc (3) 44:383 (1892)

05 (and **Jamieson**, G. S.) On tychite, a new mineral from Borax Lake, Cal., and on its artificial production and its relations to northupite. Am J Sc (4) 20:217-224 (1905) Zs Kryst 41:235-242 (1905)

06 (and **Ford**, W. E.) On stibiotantalite. Am J Sc (4) 22:61-77 (1906) Zs Kryst 43:334-350 (1906)

Penhale, Matthew.

96 Asbestos. Min Ind 4:33-36, California 36 (1896)

Penhallow, David Pearce.

05 Notes on Tertiary plants from Canada and the United States. R Soc Can, Pr Tr (2) 10, no 4:57-76 (1905)

Penniman, H. W. H.

99 Mines of Calaveras County. *In* California mines and minerals (pub by California Miners' Association): 330-344, San Francisco, Cal. (1899)

Penrose, R. A. F., Jr.

91 Manganese, its uses, ores and deposits. Ark G S, An Rp 1890:xxvii, 642 pp California 61-62, 478-495. (Little Rock, 1891)

91a The distribution of manganese in North America. Eng M J 52:126 California 126 (1891)

Penrose, R. A. F., Jr.—Cont.

92 Manganese production in the United States in 1891. Eng M J 53:38-39, California 39 (January, 1892)

93 Manganese. Min Ind 1:329-338, California 329, 336 (1893)

Perkins, Joseph.

83 The useful minerals of California. U S G S, Min Res, Calendar Year 1882: 767-769 (1883)

Perrine, Charles Dillon.

93 Earthquakes in California in 1892. U S G S, B 112:57 pp (1893)

93a Earthquakes in California in 1893. U S G S, B 114:23 pp (1893)

95 Earthquakes in California in 1894. U S G S, B 129:25 pp (1895)

96 Earthquakes in California in 1895. U S G S, B 147:23 pp (1896)

98 Earthquakes in California in 1896-1897. U S G S, B 155:47 pp (1898)

99 Earthquakes in California in 1898. U S G S, B 161:31 pp (1899)

Perry, S. S.

24 Developments at Wheeler Ridge, Cal. M Oil B 10:461-464 (May 1924)

Petrascheck, W.

20 Die Magnesit von Kalifornien und Nevada. Montanist Rundschau, 12:344-345, 1920, Wein.

Petre, R. W.

97 A few miles of the Mother Lode in California. Eng M J 64:635-636 (1897) (*abst*) Eng Index 3:462 (1901)

Petroleum Age.

23 Why Santa Fe Springs leads world in output. 12:12 (November 1, 1923)

Petroleum World (Los Angeles).

23 California has lowest percentage of dry holes. Petroleum World 8:52, 54 (February 1923)

24 California's oil industry in the days of '65. Petroleum World 9:38, 52, 96 (September 1924)

Pettee, William Henry (1838-1904).

80 Report of an examination of portion of the gravel mining region of California; in Placer, Nevada, Yuba, Sierra, Plumas and Butte counties; made in 1879. Harvard Coll, Mus C Z, Mem 6, no 1:379-487, map (1880)

Phalen, William Clifton.

08 Infusorial earth. U S G S, Min Res, Calendar Year 1907:619-621, California 620 (1908)... 1908:593-595, California 594 (1909)... 1909:621-624, California 621, 623 (1911)... 1910:692-694, California 693 (1911)... 1911: 850-853, California 850 (1912)

Phalen, William Clifton—Cont.

08a Pyrite. U S G S, Min Res, Calendar Year 1907, pt 2:680-683, California 680 (1908)... 1908:663-668, California 663-664 (1909)... 1909:690-696, California 690-691 (1911)... 1910:795-798, California 795-796 (1911)... 1911:946-953, California 947, 949 (1912)... 1912:940-948, California 941, 944 (1913)... 1913:34-42, California 34, 37 (1914)... 1914:140-145, California 141, 143 (1916)... 1915:298-302, California 299, 300 (1917)

09 Salt. U S G S, Min Res, Calendar Year 1908, pt 2:643-657, California 645-647 (1909)... 1909:661-680, California 663-665 (1911)... 1910:769-779, California 771-772 (1911)... 1911:919-934, California 920-922, 925 (1912)... 1912:909-927, California 910-911, 913-914 (1913)... 1913:291-306, California 293-294, 296-297 (1914)... 1914:291 303, California 295-296, 298-299 (1916)... 1915:265-275, California 267-271 (1917)

12 Chromite. U S G S, Min Res, Calendar Year 1911:979-986, California 979, 981 (1912)

13 Potash salts. U S G S, Min Res, Calendar Year 1912:877-908, California 877-879, 889-890, 903-904 (1913)... 1913:85-107, California 87-89, 92-96 (1914)... 1914:9-34, California 17-19, 24, 30-33 (1916)... 1915: 95-133, California 95, 100-103, 122, 124 (1917)

14 Celestite deposits in California and Arizona. U S G S, B 540:521-533 (1914)

15 Salt making by solar evaporation. Am I M Eng, Tr 50:934-953 (1915) B 93: 2249-2266 (1914)

17 Technology of salt making in the United States. U S Bur Mines, B 146:149 pp (1917)

19 The magnesite industry in the United States. M Sc Press 119:295-298, 5 figs (1919)

19a Salt resources of the United States. U S G S, B 669:284 pp, 17 pls (including maps) 16 figs (1919), (*abst*) by R. W. Stone, Wash Ac Sc, J 9:600 (1919)

Phelps, R. W.

25 (and **Lake**, F. W.) The Brea Olinda field in California. Oil World, 37:40-41 (May 8, 1925)

Phillips, Estelle R.

27 Sand and gravel. U S B M, Min Res, Calendar Year 1924:253-266, California 259, 261, 263, 291 (1927)... 1925:281-303, California 286, 288 (1928)... 1926:281-293, California 281, 287, 289 (1929)... 1927:153-166, Cali-

Phillips, Estelle R.—Cont.

fornia 153, 158, 160 (1928)... 1928:277-292, California 277, 279, 281, 283, 285, 287 (1930)

29 (and **Dorsey**, J. A.) Quartz. U S B M, Min Res, Calendar Year 1926:169-173, California 170-171 (1929)

Phillips, John Arthur (1822-1887).

68 Notes on the chemical geology of the gold fields of California. Ph Mag (4) 36: 321-336, 422-433 (1868) (*abst*) R Soc London, Pr 16:294-299 (1868) Am J Sc (2) 47:134-139 (1869)

73 Note on the silicified woods of California. G Mag 10:98-99 (1873)

77 The alkaline and boracic lakes of California. Pop Sc Rv 16 (n s 1):153-163 (1877) Western Rv Sc 1:225-235 (1877) (*abst*) G Rec 1877:272 (1880)

79 A contribution to the history of mineral veins (based on American ore deposits). G Soc London, Q J 35:390-395 (1879)

96 (and **Louis**, Henry) A treatise on ore deposits. (Second edition). North America The United States, gold and silver: 741-830, California 741-754 (1896)

Phillips, William B.

93 Coal and coke. Min Ind 1:73-90, California 76-77, 79, 87 (1893)

99 Illuminating and fuel gas and by-products. U S G S, An Rp 20, pt 6:225-250, California 230-231, 240-250 (1899)

Pieper, H. K.

28 (with **Bernt**, D. M., Jr., and **Hertel**, F. W.) Oil fields of Ventura County and Newhall district. Oil Bull 14:370-374 (1928) (*ann*) An Bib Ec G 1:228 (1928)

Pierce, J. B., Jr.

22 Barium. Min Ind 30:63-68, California 63 (1922)... 31:70-76, California 70 (1923)

Pike, R. W.

26 Geological studies in the San Antonio and Nacimiento River valleys, Monterey Co., Cal. (*abst*) G Soc Am, B 37:213 (1926)

Pilsbry, H. A.

04 Review of Dr. Ralph Arnold's paleontology and stratigraphy of the marine Pliocene and Pleistocene of San Pedro, Cal. Nautilus 17:107-108 (1904)

Place, R. G.

15 New Almaden quicksilver mine. Eng M J 100:465 (1915)

Platen, Paul.

08 Untersuchungen fossiler Hölzer aus dem Westen der Vereinigten Staaten von Nordamerika. Naturf Ges Leipzig, Szb, Jg 34:1-164, 3pls (1908)

Plotts, William.

05 Origin of petroleum, coal, etc... 29 pp, Whittier, Cal., 1905 (Priv pub)

11 Isogeotherm hypothesis of mineral occurrence and origin. Origin of coal and other carbonaceous products. 68 pp, Whittier, Cal. (Priv pub), (1911)

Pogue, J. E.

13 (and **Gilbert**, Chester G.) The Mount Lyell copper district of Tasmania (includes notes on copper deposits of Shasta Co., Cal., and Ducktown, Tenn.). U S Nat Mus, Pr 45:609-625 (1913)

Pošepný, Franz (1836-1895)

77 Geologisches aus dem Hochlande im western Nordamerika's. K-k G Reichsanstalt, Verh 1877:61-66 (1877)

94 The genesis of ore deposits. Am I M Eng, Tr 23:197-369 (with discussion:587-608; 24:942-1006) (1894)

95 The genesis of ore deposits; a treatise (with discussion by W. P. Blake, Arthur Winslow, T. A. Rickard, H. V. Winchell, J. A. Church, S. F. Emmons, G. F. Becker, F. M. F. Cazin, R. W. Raymond, Joseph Le Conte). (Reprinted from Am I M Eng, Tr 23 and 24) 265 pp, N Y 1895 2d ed, xxi, 806 pp, N Y 1902

Post, William S.

28 Santa Ana investigation; flood control and investigation. Cal Dp Pub Works, Div Eng & Irrig, B 19:357 pp (1928) (*ann*) An Bib Ec G 3:430 (1931)

Postma, G. E.

13 Trachytic perlite from Lone Hill, near San Jose, Cal. (*abst*) G Soc Am, B 24:94 (1913)

Powell, John Wesley (1834-1902).

82 Report of the Director: xi-lv, pls i-vii; Administrative reports by the heads of division: 3-46, pls viii-ix. U S G S, An Rp 2 (1882)

82a Second Annual Report of the United States Geological Survey, 1880-81:lv, 588 pp, 62 pls, 1 map (1882)... Third An Rp 1881-82:xviii, 564 pp, 67 pls (1883)... Fourth An Rp 1882-83:xxxii, 473 pp, 85 pls (1884)... Fifth An Rp 1883-84:xxxvi, 469 pp, 58 pls (1885)... Sixth An Rp 1884-85:xxix, 570 pp, 65 pls (1885)... Seventh An Rp 1885-86:xx, 656 pp, 71 pls (1888)... Eighth An Rp 1886-87:2 pts (1889)... Ninth An Rp 1887-88:xiii, 717 pp, 88 pls (1889)... Tenth An Rp 1888-89:2 pts (1890)... Eleventh Annual Report of the United States Geological Survey, 1889-90:2 pts (1891)... Twelfth An Rp 1890-91:2 pts (1891)... Thirteenth An Rp 1891-92:3 pts, Part I (1892) Parts II and III (1893)... Fourteenth An Rp 1892-93:2 pts,

Powell, John Wesley—Cont.

Part I (1893) Part II (1894)... Fifteenth An Rp 1893-94:xiv, 755 pp, 48 pls (1895)

83 Report of the Director: pp xv-xviii; Administrative reports of chiefs of divisions and heads of independent parties: pp 1-41, pls i-ii. U S G S, An Rp 3 (1883)

84 Report of the Director: pp xiii-xxxii, pl i; Administrative reports of chiefs of divisions and heads of independent parties: pp 1-72. U S G S, An Rp 4 (1884)

85 Report of the Director: pp xvii-xxxvi, pls i-ii; Administrative reports of chiefs of divisions and heads of independent parties: pp 1-66. U S G S, An Rp 5 (1885)

85a Report of the Director: pp xv-xxix, pls i-iii; Administrative reports of chiefs of divisions and heads of independent parties: pp 1-101, pls iv-x. U S G S, An Rp 6 (1885)

88 Investigations of quicksilver deposits (in eastern California and western Nevada). U S G S, An Rp 7:25-26 (1888)

88a Report of the Director: pp 3-42; Administrative reports of chiefs of divisions and heads of independent parties: pp 42-143, pls i-vii. U S G S, An Rp 7 (1888)

89 Value of quicksilver at San Francisco. U S G S, An Rp (pt 1) 8:85, (1889)

89a Report of the Director: pp 1-93, pl i; Administrative reports of chiefs of divisions and heads of independent parties: pp 95-297, pls ii-xv. U S G S, An Rp 8 (1889)

89b Report of the Director: pp 1-46; Administrative reports of chiefs of divisions and heads of independent parties: pp 47-199, pls i-vi. U S G S An Rp 9 (1889)

90 Value of quicksilver at San Francisco. U S G S, An Rp (pt 1) 10:52 (1890)

90a Report of the Director: pp 1-80, pls i-v; Administrative reports of chiefs of divisions and heads of independent parties: pp 81-252. U S G S, An Rp 10 (1890)

91 The new lake in the desert (Cahuilla Basin, Cal.). Scribner's Mag 10:463-468 (1891)

91a Value of quicksilver at San Francisco. U S G S, An Rp 12:14 (pt 1), (1891)

91b Report of the Director: pp 1-30, pl i; Administrative reports of chiefs of divisions and heads of independent parties: pp 31-185. U S G S, An Rp 11 (1891)

91c Report of the Director: pp 1-19, pl i; Administrative reports of chiefs of divisions and heads of independent parties: pp 21-210. U S G S, An Rp 12 (1891)

91d The flooding of the Colorado Desert. Eng M J 52:9 (1891)

92 Report of the Director: pp 1-66, pls i-ii; Administrative reports of chiefs of divisions and heads of independent parties: pp 67-240. U S G S, An Rp 13 (1892)

93 Report of the Director: pp 1-165, pl i; Administrative reports of chiefs of divisions and heads of independent parties: pp 167-321. U S G S, An Rp 14 (1893)

93a The geologic map of the United States. Am I M Eng, Tr 21:877-887 (1893)

95 Metallic products of the United States in 1893 (quicksilver). U S G S, An Rp 15:72 (1895)

95a Report of the Director: pp 1-110, pl i; Administrative reports of chiefs of divisions and heads of independent parties: pp 111-258. U S G S, An Rp 15 (1895)

96 Physiographic regions of the United States. Nat Geog Soc, Nat Geog Mon 1, no 3:65-100, map (1895) Also in the physiography of the United States, Nat Geog Soc: 65-100, map, N. Y, American Book Co. (1896) (*abst*) Petermann's Mitt 1995 (Beil zum 41):175 (1895)

Powers, H. A.

30 The eruption of Cinder Cone, Lassen Volcanic National Park, California. The Volcano Letter No. 306:3 (1930)

30a The Glass Mountains of northern California. The Volcano Letter No. 292: 1-3 (1930)

Pratt, Joseph Hyde.

96 On northupite; pirsonite, a new mineral; gaylussite and hanksite from Borax Lake, San Bernardino Co., Cal. Am J Sc (4) 2:123-135 (1896) Zs Kryst 27:416-429 (1896) Yale Bicen Pub, Contr Miner, 261-274 (1901) (*abst*) N Jb 1897, Band 2: 451-455 (1897)

01 Roscoelite. U S G S, Min Res, Calendar Year 1900:257-265, California 264 (1901)

01a The occurrence and distribution of corundum in the United States. U S G S, B 180:98 pp (1901), (California, pp 79-80)

01b Asbestos. U S G S, Min Res, Calendar Year 1900:861-868, California 862, 866 (1901)... 1901:887-895, California 891-892 (1902)... 1903:1111-1115, California 1112 (1904)

01c Chromium. U S G S, Min Res, Calendar Year 1900:897-898, California 897 (1901)... 1901:941-948, California 944, 945-946 (1902)... 1902:967-969, California 967 (1904)... 1903:298-304, California 298, 302 (1904)... 1904:355-357, California 355 (1905)... 1905:410,418-419, California 410, 418 (1906)

01d Talc and soapstone. U S G S, Min Res, Calendar Year 1900:779-786, California 779 (1901)... 1901:773-780, California 775 (1902)... 1902:867-872, California 869 (1904)... 1903:979-987, California 980, 982, 984 (1904)... 1904:989-994, California 991

Pratt, Joseph Hyde—Cont.

(1905)... 1905:1361-1368, California 1361, 1365-1366 (1906)

02 Molybdenum. U S G S, Min Res, Calendar Year 1901:261-270, California 265-266 (1902)

02a Pumice. U S G S, Min Res, Calendar Year 1901:781-809, California 797 (1902)

02b Mica. U S G S, Min Res, Calendar Year 1901:873-878, California 875 (1902)... 1904:1175-1184, California 1175, 1181 (1905)

02c Lithium minerals. U S G S, Min Res, Calendar Year 1901:239-240, California 239-240 (1902)... 1902:259-261, California 259 (1904)... 1903:313-315, California 313-315 (1904)... 1904:361-362, California 361 (1905)

04 Corundum. U S G S, Min Res, Calendar Year 1902:873-890, California 886 (1904)

04a Quartz. U S G S, Min Res, Calendar Year 1903:989-1015, California 1004 (1904)

04b Pyrite. U S G S, Min Res, Calendar Year 1903:1073-1087, California 1081, 1083 (1904)... 1904:1079-1094, California 1088, 1090 (1905)

04c Graphite. U S G S, Min Res, Calendar Year 1903:1121-1129, California 1122, 1125 (1904)... 1904:1157-1167, California 1158, 1160 (1905)

05 Tungsten. U S G S, Min Res, Calendar Year 1904:326-338, California 333 (1905)... 1905:410-412, California 412 (1906)

06 Flint pebbles. U S G S, Min Res, Calendar Year 1905:1069-1085, California 1073 (1906)

06a Corundum and its occurrence and distribution in the United States. U S G S, B 269:175 pp (1906), (California pp 42-44, 141)

Prescott, Basil.

08 Ilvaite from Shasta Co., Cal. Am J Sc (4) 26:14-16 (1908)

08a The occurrence and genesis of the magnetite ores of Shasta Co., Cal. Ec G 3:465-480, map (1908) (*abst*) G Zentralbl 12:615 (1909)

Pressler, Edward D.

28 Upper faunal horizons of San Fernando section in Ventura Co., Cal. Pan Am G, 49, no 4:318 (1928)

29 The Fernando group in the Las Posas-South Mountain district, Ventura Co., Cal. Univ Cal, Dp G, B 18:325-345, 4 figs (1929)

29a Upper faunal horizons of the San Fernando group in Las Posas and South Mountain districts, Ventura Co., Cal. (*abst*) G Soc Am, B 40:260 (1929)

Preston, E. B.

90 Lassen, Los Angeles, Mariposa, Modoc, Plumas, San Diego, Sutter, Tehama, Yuba counties. Cal St M Bur, St Mineralogist's An Rp 10:272-276, 277-283, 300-310, 332-335, 466-495, 540-544, 691, 692-694, 795-802 (1890)

90a Los Angeles Co.; Lassen Co., Cal. Cal St M Bur, St Mineralogist's An Rp 9:189-213 (1890)

92 Amador, Butte, Calaveras, El Dorado, Monterey, Plumas, San Benito, Sierra, Tuolumne counties. Cal St M Bur, St Mineralogist's (First Biennial), Rp 11: 137-149, 150-165, 167-178, 200-209, 259-262, 323-334, 370-373, 400-412, 493-513 (1892)

93 Salton Lake, Cal. Cal St M Bur, St Mineralogist An Rp 11:387-393 (1893)

93a North Fork mining district of Fresno Co., Cal. Cal St M Bur, St Mineralogist's An Rp 11:218-223 (1893)

Preston, R. E.

94 Gold and silver. U S G S, Min Res, Calendar Year 1893:50-61, California 51 (1894)

94a Report of the U. S. Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1893:317 pp (1894)... 1894:354 pp (1895)... 1895:384 pp (1896)... 1896:405 pp (1898)

Price, T.

83 Analysis of colemanite from Death Valley. Cal St M Bur, St Mineralogist's An Rp 3:311-312 (1883)

Prichard, William A.

04 Observation on Mother Lode gold deposits, Cal. (with discussion by H. W. Turner). Am I M Eng, Tr 34:454-466, 973-974 (1904) (*abst*) Eng M J 76:125-127 (1903)

Prime, Frederick, Jr.

79 A catalogue of official reports upon geological surveys of the United States and Territories, and of British North America. Am I M Eng, Tr 7:455-525 (1879) 8:466-478 (1880) 9:621-632 (1881)

Prindle, L. M.

27 (and **Stoddard, B. H.**) Talc and soapstone. U S B M, Min Res, Calendar Year 1924:339-346, California 340-342 (1927)

Privat-Deschanel, Paul.

02 L'État de Californie. Soc Géog Lyon, B 17:843-860 (1902)

Probert, Frank H.

27 The future of California's mineral industry. Extract from address made at

Probert, Frank H.—Cont.

Annual Conference of California Development Association, October 27-28. Eng M J 124:749 (1927)

Prutzman, Paul W.

04 Production and use of petroleum in California. Cal St M Bur, B 32:230 pp, maps Sacramento (1904) (*abst*) G Zentralbl 6:400 (1905)

10 Coalinga oil field (Cal.). M Science 61:464-466 (1910)

10a The origin of petroleum. Cal Derrick 2, nos 11, 12; 3 nos 1-6 (1910)

12 History and geology of California oil fields. M World 36:1191-1192 (1912) (*abst*) Eng Index 1912:435 (1913)

13 Petroleum in southern California. Cal St M Bur, B 63:430 pp, maps (1913) (*abst*) Zentralbl 21:626 (1915)

15 Notes on the Santa Maria oil fields (Cal.). West Eng 6:256-257 (1915) (*abst*) Eng Index 1916:310 (1916)

Pulsifer, H. B.

20 Lead. Min Ind 28:393-417, California, 397, 402 (1920)... 29:405-424, California 411, 415 (1921)... 30:399-441, California 411, 412-413 (1922)... 31:416-441, California 426 (1923)

Pumpelly, Raphael (1837-1923).

79 The relation of secular rock disintegration to loess, glacial drift, and rock basins. Am J Sc (3) 17:133-144 (1879)

Purington, C. W.

07 Copper in serpentine. M Sc Press, 94:719-720 (1907)

Purnell, S.

77 On ionite, a new mineral. M Sc Press 34:184 (1877) Am J Sc (3) 16:153 (1878) (*abst*) G Rec 1872:247 (1880)

Putnam, Bayard T.

86 Notes on the samples of iron ore collected west of the one hundredth meridian. The tenth U S Census Rp 13:469-505. Iron ore in California 493-496 (1886)

Putnam, W. C.

30 (**Richards,** G. L. and **Davis,** W. M.) Elevated shore-lines of Santa Monica Mountains. (*abst*) Pan Am G 54:154 (1930)

Quarterly Review.

50 Siberia and California. Q Rv 87:395-434 (1850)

Quayle, Ernest H.

30 Corals of genus *Caryophyllia* from California. (*abst*) Pan Am G 54:239 (1930)

Raborg, William A.

92 Salt. U S G S, Min Res, Calendar Year 1889-90:482-492, California 482, 489, 491 (1892)

Rabot, Charles.

09 Revue de glaciologie, no 3 (avril, 1903-1er janvier, 1907) (Includes glaciers of the Cascade Mountains, Sierra Nevada, Rocky Mountains and Alaska) Soc Fribourgeoise Sc Nat, Mem 5:1-343 (1909)

Rademacher, Rudolf.

15 Der Santa Maria Oldistrikt in Kalifornien, as Beispiel einer primaren Erdollagerstatte. (Nach Ralph Arnold and Robert Anderson) Ez Prak G 23:150-161 (1915) (*abst*) G Zentralbl 22:581 (1917)

Radford, George Kent.

00 Mining for gold in the auriferous gravels of California. Inst M Eng, Tr 17: 452-481, il, (1900)

Ralston, William C.

06 The Greenwater Copper District, Cal. Eng M J 82:1105-1106 (1906) (*abst*) Eng Index 1907:306 (1908)

Randol, J. B.

75 Production of quicksilver at New Almaden for twenty-two years and three months. M Sc Press, 30:72 (1875)

77 Quicksilver in California. *In* Raymond, Mines and mining in the States and Territories west of the Rocky Mountains, Eighth An Rp (for 1875): 4-21 (1877)

83 The production of quicksilver in California. Eng M J 36:32 (1883)

84 Production and price of quicksilver for thirty-four years, 1850 to 1883, table, San Francisco (1 sheet), March (1884)

84a The California quicksilver trade. Eng M J 37:444 (1884)

86 Production of quicksilver in California for the years 1885 and 1886. Cal St M Bur, An Rp 6:72-73 (pt 1), (1886)

90 California quicksilver, a table showing the production for the past six years, 13 pp. San Francisco (1890), (pamphlet)

90a Quicksilver mines and reduction works. Cal St M Bur, An Rp 10:920-929 (1890)

90b Quicksilver and the tariff in the House of Representatives and elsewhere. 20 pp, San Francisco (1890), (pamphlet)

90c The production of California quicksilver mines. Eng M J 49:11-12 (1890)

Ransome, Frederick Leslie.

93 The eruptive rocks of Point Bonita (Marin Co., Cal.). Cal Univ, Dp G, B 1: 71-114, map (1893)

Ransome, Frederick Leslie—Cont.

94 The geology of Angel Island (Cal.). Cal Univ, Dp G, B 1:193-234, map (1894)

95 On lawsonite, a new rock-forming mineral from the Tiburon Peninsula, Marin Co. Cal Univ, Dp G, B 1:301-312 (1895)

96 (and **Palache,** C.) Ueber Lawsonit ein neues gesteinsbildendes Mineral aus Californien. Zs Kryst 25:531-537 (1896)

96a The Great Valley of California; a criticism of the theory of isostasy. Cal Univ, Dp G, B 1:371-428 (1896)

97 The age of the California coast ranges. Am G 19:66-67 (1897)

97a Review of "The geology of Santa Catalina Island," by W. S. T. Smith. J G 5:208-210 (1897)

97b (with **Turner,** H. W.) Description of the Sonora quadrangle (Cal.). U S G S, G Atlas Sonora fol (no 41):5 pp, maps (1897)

97c (and **Turner,** H. W.) Quicksilver deposits (cinnabar). U S G S, G Atlas, Sonora folio (no 41):7 (1897)

98 Some lava flows of the western slope of the Sierra Nevada, Cal. U S G S, B 89:74 pp (1898) (*abst*) Am J Sc (4) 5:355-375 (1898) Nature 58:117 (1898) N Jb 1900, Band 1, Ref: 69-72 (1900)

98a (with **Turner,** H. W.) Description of the gold belt (Cal.). U S G S, G Atlas Big Trees, fol (no 51):8 pp, maps (1898)

00 Description of the Mother Lode district (Cal.). U S G S, G Atlas Mother Lode, fol (no 63):11 pp, maps (1900)

02 Recent progress in petrology (Sequence of volcanic rocks) (Science (n s) 15:674 (1902)

06 The probable cause of the San Francisco earthquake. Nat Geog Mag 17: 280-296 (1906) M Sc Press 92:396-397 (1906) Reprinted in After earthquake and fire: 130-137, San Francisco (1906)

15 The Tertiary orogeny of the North American Cordillera and its problems. *In* Problems of American geology: 287-376, maps, New Haven (1915) (*abst*) G Zentralbl 27:304 (1922)

19 The production of quicksilver in 1918. Science (n s) 49:116 (1919)

20 Quicksilver. U S G S, Min Res, Calendar Year 1917: 367-424, California 367-370, 372-381, 385-391, 400-401, 405-414 (1920)... 1918:143-178, California 143, 145, 148, 158-163, 167-176 (1921)... 1919:149-180, California 149, 151, 154-155, 167-172 (1922)... 1920:419-439, California 419, 423, 430-432 (1922)... 1921:107-120, California 107, 109, 110, 115 (1924)... 1922:113-124, California 118-119 (1925)

28 Geology of the St. Francis dam-site. Ec G 23:553-563 (1928) (*ann*) An Bib Ec G 1:269 (1928) (*abst*) G Zentralbl 39:494 (1929)

28a Sixth Report on St. Francis dam offers new theories. Eng News-Record, 100:895 (1928) (*ann*) An Bib Ec G 1:269 (1928)

30 Geology of aqueduct routes. *In* Final Report of the Engineering Board of Review for the Metropolitan Water District of Southern California, pp 20-25 (December 1930)

Rath, Gerhard vom (1830-1888).

85 Ueber Colemanit (Dry Lake, southern Cal.). N Jb 1885, 1:77-78 (1885)

85a Ueber einige vulkanische Punkte in den Counties Napa und Lake, Cal. Niederrhein Ges Bonn, Szb 42:246-258 (1885)

85b Ueber die Umgebungen von San Francisco, Santa Cruz und New Almaden (Cal.). Niederrhein Ges Bonn, Szb 42: 303-321 (1885)

85c Wahrnehmungen auf einer Reise durch das südliche Californien. Neiderrhein Ges Bonn, Szb 42:344-370 (1885)

85d (with **Bodewig,** C.) Colemanit aus Californien. Zs Kryst 10, Band 1:179-186 (1885)

86 Geologische Wahrnehmungen in Californien Längs der Central Pacific Railroad und in dem Goldgebiet von Dutch Flat, Placer Co. Niederrhein Ges Bonn, Szb 43:21-34 (1886)

87 Hanksit aus S. Bernardino Co., Cal. Niederrhein Ges Bonn, Szb 44:233 (1887)

Rathbun, Mary Jane.

08 Descriptions of fossil crabs from California. U S Nat Mus, Pr 35:341-349, 5 pls (1908)

17 Description of a new species of crab from the California Pliocene. U S Nat Mus, Pr 53:451-452, il (1917)

26 The fossil stalk-eyed crustacea of the Pacific slope of North America. U S Nat Mus, B 138:155 pp, 6 figs, 39 pls (1926) G Zentralbl 38:37 (1928)

29 New species of fossil decapod crustaceans from California. Wash Ac Sc, J 19: 469-472, 2 figs (1929) G Zentralbl 42:501 (1930)

Raymond, Charles W.

02 Meadow Lake Mining District. M Sc Press 84:46-48 (1902) (*abst*) Eng Index 4:576 (1906)

Raymond, Rossiter Worthington (1840-1918).

69 Mineral resources of the States and Territories west of the Rocky Mountains. (U S Treas Dp): 256 pp, California 9-33, Washington (1869)

Raymond, Rossiter W.—Cont.

69a New Almaden quicksilver mines. Mineral resources of the States and Territories west of the Rocky Mountains (for 1868):9-11 (1869)

70 Statistics of mines and mining in the States and Territories west of the Rocky Mountains. (2d report), (U S Treas Dp): 805 pp, Washington (1870)... (3d report): 566 pp (1872)... 4th An Rp: 566 pp (1873)... 5th An Rp: 550 pp (1873)... 6th An Rp: 585 pp (1874)... 7th An Rp: 540 pp (1875)... 8th An Rp: 519 pp (1877)

70a Production of quicksilver during 1869: Mines and mining in the States and Territories west of the Rocky Mountains (for 1869):759 (1870)

70b Mineral deposits. Mines and mining in the States and Territories west of the Rocky Mountains (2d report). (U S Treas Dp): 445-468, Washington (1870)

72 Condition of the mining industry (quicksilver in California). Mines and mining in the States and Territories west of the Rocky Mountains (for 1870):15, 29, 528 (1872)

73 Quicksilver production. Mines and mining in the States and Territories west of the Rocky Mountains. An Rp (for 1871) 4:523 (1873)

73a Quicksilver. Mines and mining in the States and Territories west of the Rocky Mountains, An Rp (for 1872) 5:9, 497 (1873)

73b General geological map of the United States (by Hitchcock, C. H., and Blake, W. P.). *In his* Statistics of mines and mining... 5th An Rp:480-484, Washington (1873)

73c The geographical distribution of mining districts in the United States. Am I M Eng, Tr 1:33-39 (1873)

73d On the occurrence of fissures. Am I M Eng, Tr 2:130-131 (1873-74)

74 Condition of the mining industry (quicksilver in California). Mines and mining in the States and Territories west of the Rocky Mountains, An Rp (for 1873) 6:27-39, 380-381, 540-542 (1874)

74a The production of gold and silver in the United States. Am I M Eng, Tr 3: 202-207 (1874-75)

74b Mariposa County, Hite's Cave Mine. Eng M J 18:52-53 (1874)

75 Condition of the mining industry (quicksilver in California). Mines and mining in the States and Territories west of the Rocky Mountains, An Rp (for 1874) 7:13, 15, 173-189 (1875)

77 Condition of the mining industry (quicksilver in California). Mines and mining in the States and Territories west of the Rocky Mountains, An Rp (for 1875) 8:3-15, 18-21, 461-462 (1877)

77a Note on petroleum in California. Eng M J 23:26 (1877)

Raymond, William James.

04 A new species of *Pleurotoma* from the Pliocene of California. Nautilus 18: 14-16 (1904) (*abst*) G Zentralbl 7:166 (1905)

06 The west American species *Pleurotoma*, subgenus Genota. Nautilus 20:37-39, 1 pl (1906)

Read, Charles B.

29 *Rhododendron* in Tertic of Western America. (Summary statement), Pan Am G 52:157 (1929) (*abst*) G Soc Am, B 41:212 (1930)

Reagan, Albert B.

15 The marine Tertiary stratigraphy of the north Pacific coast of North America (review of an article by Ralph Arnold and Harold Hannibal). Kans Ac Sc, Tr 27: 47-49 (1915)

24 Cretacic Mollusca of Pacific slope. Pan Am G 41:179-189, 4 pls (1924)

Redpath, Lionel V.

00 Petroleum in California; a history of the oil industry in the state. 158 pp, Los Angeles (1900)

Redway, Jacques Wardlaw.

92 The new lake in the Colorado Desert, Cal. R Geog Soc, Pr (n s) 14:309-314 (1892)

93 Salton Lake. Geog J 2:170-171 (1893)

01 A great lava flood. Am Bur Geog, B 2:157-163 (1901)

07 Some notes on the San Francisco earthquake. Geog J 29:436-440 (1907)

07a The vagaries of the Colorado River. Scottish Geog Mag 23, no 7:360-363, 1 fig (1907)

Redwood, Sir Boverton.

96 (and **Halloway,** G. H.) Petroleum and its products, 2 vols; 900 pp, il, maps, tables, diagrams. London, C Griffin & Co, Ltd; Philadelphia, J B Lippincott Co (1896)

02 Petroleum. Encyclopedia Britannica, 10 Edition 31:639-645 (1902)

06 Petroleum and its products. 2d ed, 2 vols: 1064 pp, il, tables, maps, diagrams. London, C Griffin & Co., Ltd; Philadelphia, J B Lippincott Co (1906); 4th ed, 3 vols: 1353 pp, il, tables, maps, diagrams (1922)

Reed, R. D.

24 Role of heavy minerals in the Coalinga Tertiary formations. Ec G 19:730-749, 2 figs (1924)

25 The post-Monterey disturbance in the Salinas Valley, Cal. J G 33:588-607, 3 figs (1925) (*abst*) G Zentralbl 33:165 (1926) Rv Geol et Sci conn 6:454-455 (1925)

26 Effect of the wind in San Joaquin and Salinas valleys. (*abst*) G Soc Am,

Reed, R. D.—Cont.

B 37:214-215 (1926) (*abst*) G Zentralbl 32: 66 (1925)

26a Miocene paleogeography in the central Coast Ranges, Cal. Am As Petroleum G, B 10:130-137, 1 fig (1926) (*abst*) Rv Geol et Sci conn 7:436-437 (1926) G Zentralbl 38:374 (1929)

26b Aragonite concretions from the Kettleman Hills, Cal. J G 34:829-833, 2 figs (1926) G Zentralbl 36:540 (1928) (*abst*) Rv Geol et Sci conn 8:31 (1927)

26c (and **Rogers, A. F.**) Sand-calcite crystals from Monterey Co., Cal. Am Mineralogist 11:23-28, 2 figs (1926) Min Absts 3:316 (1927)

27 Phosphate beds in the Monterey shales. (*abst*) G Soc Am, B 38:195-196 (1927)

27a Wind and soil in the Gabilan Mesa. J G, 35:84-88 (1927) (*abst*) G Zentralbl 36:384 (1927)

27b (and **Bailey, J. P.**) Subsurface correlation by means of heavy minerals. Am As Petroleum G, B 11:359-372, 4 figs (1927) (*abst*) Rv Geol et Sci conn 8:584-585 (1927)

28 A siliceous shale formation from Southern California. J G 36:342-361 (1928) (*ann*) An Bib Ec G 1:184 (1928) (*abst*) G Zentralbl 38:171 (1928) 39:497 (1929) Rv Geol et Sci conn 9:186-187 (1928) (*abst*) Eng Index 1928:1376 (1929)

28a The occurrence of feldspar in California sandstone. Am As Petroleum G, B 12:1032-1033 (1928) (*abst*) G Zentralbl 39: 130 (1929)

29 Sespe formation. Am As Petroleum G, B 13:489-507, 1 fig (1929) (*ann*) An Bib Ec G 2:128 (1928) (*abst*) Rv Geol et Sci conn 10:365 (1929) G Zentralbl 40:389 (1929) (*abst*) Eng Index 1929:1378 (1930)

29a Structural history of Coalinga district. (Summary statement) Pan Am G 51:370 (1929) (*abst*) G Soc Am, B 41:150-151 (1930)

30 Recent sands of California. J G 38: 223-245 15 fig 1 table (1930) (*abst*) G Zentralbl 42:452 (1930) (*abst*) Eng Index 1930: 823-824 (1931)

30a Small En Èchelon fracture in Santa Barbara County, California. Am As Petroleum G B 14:320-322, 2 figs (1930)

30b Calcareous beds of San Pedro Hills, (*abst*) Pan Am G 54:155 (1930)

Reid, Harry Fielding.

05 Records of seismographs in North America, and the Hawaiian Islands. No. 1. Terrestrial Magnetism and Atmospheric Electricity, J 10:81-96 (1905) G Zentralbl 10:451 (1908)

08 Mechanics of the California earthquake, 1906. (*abst*) Science (n s) 27: 991-992 (1908)

Reid, Harry Fielding—Cont.

08a (with **Branner, J. C., Lawson, A. C., Gilbert, G. K.**, and others) The California earthquake of April 18, 1906. Report of the State Earthquake Investigation Commission. Carnegie Inst, Wash, Pub 87, 1, pt 1:xviii, 254 pp, pt 2:255-451; atlas, 25 maps and seismograms (1908)

10 On mass movements in tectonic earthquakes and the depth of the focus. Beitr Geoph, B 10:318-351, 9 figs (1910)

10a The California earthquake of April 18, 1906. The mechanics of the earthquake. Vol II of the Report of the (California) State Earthquake Investigation Commission. Carnegie Inst, Wash, Pub 87, 2:192 pp (1910) (*abst*) Nature 84:165-166 (1910)

12 List of strong shocks in the United States and dependencies. Brit As, Rp 81:41-45 (1912)

29 Cited on earthquakes. J G 37:771 (1929)

Reid, John A.

02 The igneous rocks near Pajaro. Cal Univ, Dp G, B 3:173:190 (1902) (*abst*) G Zentralbl 9:596 (1907)

06 A detail of the great fault zone of the Sierra Nevada. (*abst*) G Soc Am, B 16:593 (1906)

07 The ore deposits of Copperopolis, Calaveras Co., Cal. Ec G 2:380-417 (1907) (*abst*) G Zentralbl 11:350 (1908)

07a The country east of the Mother Lode (in Placer Co., Cal.). M Sc Press 94:279-280 (1907)

07b Some ore deposits in the Inyo Range, Cal. M Sc Press 95:80-82 (1907)

08 Note on the geology of the Coso Range, Inyo Co., Cal. J G 16:64-72 (1908) (*abst*) G Zentralbl 12:720-721 (1909)

08a Foothill copper belt of the Sierra Nevada. M Sc Press 96:388-393; 97:48-49 (1908) (*abst*) Eng Index 1908:308 (1909)

08b The copper belt of California. Eng M J 85:420 (1908)

08c The ore deposits of Copperopolis, Cal. Ec G 3:340-342 (1908) G Zentralbl 12:168-169 (1909) (*abst*) Eng Index 1907: 306 (1908)

11 The geomorphogeny of the Sierra Nevada northeast of Lake Tahoe (Nevada). Cal Univ, Dp G, B 6:89-161, map (1911) G Zentralbl 17:317 (1912)

Reinhard, Max.

19 Interprétation techtonique de la région pétrolifère de la vallée, de Santa Clara en Californie et considérations théoriques sur les gîtes de pétrole. Arch Sc Phys Nat (5) 1:63-78, 2 pls (incl map), (1919) (*abst*) Rv Geol et Sci conn 1:164-165 (1920) (*abst*) Eng Index 1919:326 (1920)

Reinhart, Philip W.

28 Origin of the Sespe formation of South Mountain, Cal. Am As Petroleum G, B 12:743-746, 2 figs (1928) (*ann*) An Bib Ec G 2: 398 (1929) (*abst*) Rv Geol et Sci conn 9:230 (1928) N Jb 1929, Ref 3: 259, 390 (1929) (*abst*) Eng Index 1928:1376 (1929)

Reinhold, Eli S.

82 On diorite (Placer Co., Cal.) Ac N Sc Phila, Pr 1882:59; Min G Sec, Pr no 2:26 (1882)

Reinholt, Oscar H.

11 Rejuvenation of a gold section of California. (San Diego Co.) M World 35: 233-235 (1911) (*abst*) Eng Index 1911: 374 (1912)

Rémond, Auguste.

63 Description of two new species of bivalve shells from the Tertiaries of Contra Costa Co. Cal Ac N Sc, Pr 3:13 (1863)

63a Description of four new species of Echinodermata from the Tertiaries of Contra Costa Co. Cal Ac N Sc, Pr 3:52-54 (1863)

66 Mining statistics No. 1. Tabular Statement of the condition of the Auriferous Quartz Mines and Mills in that part of Mariposa and Tuolumne Counties lying between the Merced and Stanislaus rivers. Cal G S: 16 pp (1866)

Rénard, A.

61 Report of an exploration and survey of the coal mines of Monte Diablo district (California), pages, map, San Francisco (1861)

Renick, B. Coleman.

25 California oil field waters (discussion Ec G 20:697-698 (1925) (*abst*) G Zentralbl 33:650 (1926)

Renshawe, J. H.

97 (with **Wilson**, H. M., **Douglas**, E. M., and **Goode**, R. U.) Triangulation and spirit leveling. U S G S, An Rp 18, pt 1:131-433, pls ii-iv, California 403-422 (1897)... An Rp 19, pt 1:145-408, California 381-408 (1898)... An Rp 20, pt 1:211-530, California 457-470 (1899)... An Rp 21, pt 1:205-582, California 524-552 (1900)

01 (with **Wilson**, H. M., **Douglas**, E. M., and **Goode**, R. U.) Results of spirit leveling, fiscal year 1900-1901. U S G S, B 185:219 pp, California 155-194 (1901)

01a (with **Wilson**, H. M., **Douglas**, E. M., and **Goode**, R. U.) Primary triangulation and primary traverse. Fiscal year 1900-01. U S G S, B 181:240 pp, California 208-223 (1901)... 1901-02 201:164 pp, California 138-155 (1902)

Requa, Mark Lawrence.

10 The oil resources of California. An address delivered before the Mining Association, University of California, Berkeley. 24 pp, map (priv pub, 1910)

11 Oil resources of California. M Mag 1:47-52 (1911) (*abst*) Eng Index 1911:408 (1912)

11a Petroleum in California in 1901. Eng M J 91:89-90 (1911)

11b Present conditions in California oilfields. M Sc Press 103:644-645 (1911) (*abst*) Eng Index 1912:435 (1913)

12 Present conditions in the California oil fields. Am I M Eng, Tr 42:837-846 (1912) B 64:377-386 (1912)

14 California oil in 1913. Eng M J 97: 170-171 (1914) (*abst*) Eng Index 1914:456 (1915)

15 California oil in 1914. Eng M J 99: 139-140 (1915)

16 Petroleum resources of the United States. U S 64th Cong, 1st sess, S Doc 363:18 pp (1916)

Repetti, William C.

27 (and **Macelwane**, James B.) The Calaveras Valley, California, earthquake of April 3, 1924. Seism Soc Am, B 17: 20-24 (1927) Pan Am G 47:316 (1927)

27a (and **Macelwane**, James B.) The Crystal Springs, Cal., earthquake of February 10, 1925. Seism Soc Am, B 17: 15-19 (1927) Pan Am G 47:316 (1927)

Resser, Ch. E.

28 Cambrian fossils from the Mohave Desert. Smiths Misc Col 81, no 2:14 pp, 3 pls (1928) (*abst*) G Zentralbl 39:162-163 (1929)

Reyer, E.

86 Zwei Profile durch die Sierra Nevada. N Jb, Beil Bd 4:291-326, map (1886)

86a Über die Goldgewinnung in Californien. Zs Berg-, Hutten- u Salinen-Wesen 34:1 (1886) (*abst*) N Jb 1889, 1, Referate: 444 (1889)

Ricco, A.

06 Terremoto di San Francisco al 18 Aprile, 1906. Ac Gioenia Sc Nat Catania, B (n s) 90:2-6 (1906)

Rich, J. L.

10 (and **Harder**, E. C.) The Iron Age iron-ore deposit, near Dale, San Bernardino Co., Cal. U S G S, B 430:228-239, map (1910)

Richards, G. L.

30 (**Davis**, W. M. and **Putnam**, W. C.) Elevated shore-lines of Santa Monica Mountains (*abst*) Pan Am G 54:154 (1930)

Richards, R. H.

06 (and **Day**, D. T.) Investigation of the black sands from placer mines. U S G S, B 285:150-164 (1906)

06a (and **Day**, D. T.) Black sands. U S G S, Min Res, 1905:1175-1258 (1906)

Richardson, Clifford.

03 California asphaltum. Eng M J 76: 666-667 (1903)

06 The petroleums of North America. A comparison of the character of those of the older and newer fields. Franklin Inst, J 162:57-70, 81-128 (1906)

Richardson, C. H.

13 Economic geology (mercury; its properties, occurrence and uses). pp 126-130, gold pp 75-77; copper pp 153-154, New York, McGraw-Hill Book Co. (1913)

15 Asphalt. Mind Ind, 23:59-63, California 59-60 (1915)... 24:48-54 California 49, 50 (1916).... 25:69-76, California 71-72 (1917)

17 Building stones and clays. A handbook for architects and engineers: 437 pp, Univ Book Store, Syracuse, N. Y. (1917)

Richardson, G. B.

24 Petroleum. U S G S, Min Res, Calendar Year 1921:253-333, California 261, 262, 264, 273, 285, 289, 291, 294, 306-309, 316, 320-321 (1924)... 1922:359-438, California 367, 373, 376, 385, 394, 396, 401-402, 403, 414, 415, 417, 422, 423, 424 (1925)... 1923:365-426, California 365, 369-372, 379, 382, 392-393, 412-416, 420-421, 423, 425-426 (1927)

25 Natural gas. U S G S, Min Res, Calendar Year 1922:353-358, California 353, 355, 358 (1925)... 1923:351-358, California 353, 356, 357 (1927)

25a Natural gas gasoline. U S G S, Min Res, Calendar Year 1922:347-351, California 349, 351 (1925)... 1923:359-364, California 361-364 (1927)

27 (and **Backus**, H.) Natural gas. U S B M, Min Res, Calendar Year 1924:321-337, California 321, 324, 327-329 (1927)

27a (and **Coons**, A. T.) Petroleum. U S B M, Min Res, Calendar Year 1924: 385-458, California 385, 390-391, 400, 402, 414-415, 424-425, 428, 432-433, 445-448, 452, 454, 456-457 (1927)

27b (and **Seeley**, E. M.) Natural gas gasoline. U S B M, Min Res, Calendar Year 1924:331-337, California 331, 334-337 (1927)

Riche.

94 (and **Roume.**) The petroleum industry of the United States. (L'industrie du Petrole aux Etats Unis d' Amerique) An Mines (9) 5:67-130, 1 pl (1894) Inst M Eng, Tr 9:519-520 (1895)

Richter, C. M.

77 Mittheilungen über einige Zweige der Metall–, namentlich der Blei– und Silber–Industrie der Vereinigten Staaten von Nord-America. (Lead and silver industry of the United States) Zs Berg–, Hütten– u Salinen– Wesen Bd 25 Abh 77-118 (1877) (*abst*) G Rec 1877:128 (1880)

07 (and **McAdie**, A. G.) Phenomena connected with the San Francisco earthquake. Mo Weather Rv 35:505-506 (1907)

Richthofen, Ferdinand von (1833-1905).

64 Reisebericht aus Californien. Deut G Ges, Zs 16:331-340 (1864)

64a Ueber Californien. Deut G Ges, Zs 16:606-610 (1864)

68 Mittheilungen von der Westküste Nordamerikas. Deut G Ges, Zs 20:663-726; 21:1-80, 599-619 (1868-69)

68a The natural system of volcanic rocks. Cal Ac Sc, Mem 1, pt 2:98 pp (1868)

69 Ueber das Alter der goldführenden Gänge und der von ihnen durchsetzten Gesteine. Deut G Ges Zs 21:723-740 (1869) Zs Ges Naturw 35:223-226 (1870)

Rickard, Thomas Arthur.

95 Certain dissimilar occurrences of gold-bearing quartz (with discussion by Philip Argall). Colo Sc Soc, Pr 4:323-339 (1895), (separate ed 23 pp, 1893)

01 The formation of bonanzas in the upper portions of gold veins. Am I M Eng, Tr 31:198-220 (1902) M Sc Press 83:6-7, 15, 25, 36 (1901)

05 The production of gold and silver in the United States. Eng M J 79:3-4 (1905)

06 (and others) After earthquake and fire. A reprint of the articles and editorial comment appearing in the Mining and Scientific Press immediately after the disaster at San Francisco, April 18, 1906. 194 pp, San Francisco (1906)

06a Former earthquakes and their discarded lessons. M Sc Press 92:289-290 (1906)

06b After the (San Francisco earthquake) disaster. M Sc Press 92:287-288 (1906)

06c The (San Francisco) earthquake disaster. M Sc Press 92:270-272 (1906)

12 Coalinga: a California oilfield. M Mag 7:283-288 (1912) *abst*) Eng Index 1912:435 (1913)

26 Early California mining. "The Later Argonauts." Inst M Met, B:24 pp. (October, 1926)

Ridgway, Robert H.

29 (and Common Metals Division.) Summarized data of gold production. U

Ridgway, Robert H.—Cont.

S B M, Ec P 6:i-vii, 63 pp, 58 tables, figs, California 18-19, 22 (1929)

Rieber, Frank.

30 Choice of geophysical methods. M metal 11:301-305 (1930)

30a Results of elastic-wave surveys in California and elsewhere. Am As Petroleum G, B 14:1557-1571, 16 figs (1930)

Ries, Heinrich.

94 Clay. Min Ind. 2:165-210, California 167-201 (1894)

95 Technology of the clay industry. U S G S, An Rp 16, pt 4:523-575, California 554-555, 564-565, 570-571, 572-573 (1895)

97 The clay-working industry in 1896. U S G S, An Rp 18, pt 5 (cont): 1105-1168, California 1130 (1897)

00 Note on the occurrence of allanite in the Yosemite Valley, Cal. (*abst*) Science (n s) 11:229-230 (1900) N Y Ac Sc, An 13:438-439 (1901)

00a The salt industry of San Francisco Bay. M Min, 20:301 (1900)

00b The clay working industry of the Pacific Coast. M Min, 20:487 (June, 1900)

12 Building stones and clay products. Wiley and Sons, New York: xv, 415 pp, California 161, 224, 250, 177, 242, 249 (1912)

16 Economic geology (mercury), 4th ed: 771-778 (1916)

22 (and **Bayley,** W. S., and others). High-grade clays of the eastern United States, with notes on some western clays: U S G S, B 708:314 pp, 38 figs, 30 pls, California 126 (1922)

25 Economic geology with special reference to the United States. 5th ed, 843 pp, 291 figs (1925) Discuss both metallic and nonmetallic substances in the various states giving statistics of production and mode of occurrence.

25a Bibliography of clay deposits of the world. Am Ceramic Soc 4, no 9:428-510, California 432-433 (September, 1925)

27 Clays, occurrence, properties and uses. Wiley and Sons, 3d ed: 613 pp, 173 figs, California 397-398 pp, figs 104-105 (1927)

Riggs, R. B.

89 (with **Hillebrand,** W. F., and **Chatard,** T. M.) Analyses of fifteen rocks from California. U S G S, B 55:84-85 (1889)

89a Lava from Shasta County, Cal. Analyses. U S G S, B 55:84 (1889)

90 (and **Hillebrand,** W. F.) Analyses of lavas from near Lassen Peak, Cal. U S G S, B 60:155-157 (1890)

Rising, W. B.

82 (with **Le Conte,** J.) The phenomena of metalliferous vein formation now in progress at Sulphur Bank, Cal. Am J Sc (3) 24:23-33 (1882) (*abst*) Eng M J 34: 109-110 (1882)

Ritter, Étienne A.

06 Le tremblement de terre de San Francisco du 18 avril, 1906. Soc G France, B (4) 6:287-293 (1906) (*abst*) G Zentralbl 11:131-132 (1908)

06a Les basins ligniferes et houillers des Montagnes Rocheuses. An Mines (10) t 10, livr 7:5-84 (1906)

Ritter, Wm. E.

01 Some observations bearing on the probable subsidence during recent geological times of the island of Santa Catalina off the coast of southern California Science (n s) 14:575-577 (1901) (*abst*) G Zentralbl 7:377 (1906)

08 Concerning a biological reconnaissance of Bodega Bay. The California earthquake of April 18, 1906. Report of the State Earthquake Investigation Commission, A. C. Lawson, chairman. Carnegie Inst, Wash, Pub 87, 1, pt 1:88 (1908)

Rivers, John James.

91 Occurrence of a Miocene shell in the living state (*Nassa californiana* Conrad). Zoe, 2:70-72, 1 fig (1891)

04 Descriptions of some undescribed fossil shells of Pleistocene and Pliocene formations of the Santa Monica Range (Cal.). S Cal Ac Sc, B 3:69-72 (1904) (*abst*) G Zentralbl 7:166 (1905)

13 A new species of *Bathytoma* from the upper Pleistocene of San Pedro, Cal. S Cal Ac Sc, B 12:29 (1913)

Roberts, D. C.

26 Methods of identifying subsurface strata for correlative purposes (in California oil fields). Cal St M Bur, Summary of Operations, California Oil Fields 11, no 7:5-26, 3 figs (1926)

27 Fossil markers of Midway-Sunset-Elk Hills region. Cal St M Bur, Summary of Operations, California Oil Fields, 12, no 10:5-10, 4 pls, 15 figs (1927) (*abst*) Biol Absts 3:1482 (1929)

28 Long Beach oil Field. Cal St M Bur, Summary of Operations, California Oil Fields, 13, no 11:5-20 (1928) (*ann*) An Bib Ec G 1:227 (1928) (*abst*) Eng Index 1928:1297 (1929)

29 Long Beach oil field, Los Angeles Co., Cal. *In* Str Typ Am Oil Fields 2: 62-74 (1929) (*ann*) An Bib Ec G 2:414 (1929) (*abst*) G Zentralbl 41:435 (1930) (*abst*) Eng Index 1930:1222 (1931)

30 (and **Sweeney,** S.) Spacing of wells in the Long Beach field. Am I M Eng, Tr

Roberts, D. C.—Cont.

(Petroleum development and technology 1930): 156-159 (1930)

30a Holding down production in the Long Beach field. Oil Bull 16:135-136 (February, 1930)

Roberts, George E.

98 Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1897:404 pp (1898)... 1898:313 pp (1899)... 1899:435 pp (1900)... 1900:380 pp (1901)... 1901:414 pp (1902)... 1902:391 pp (1903)... 1903:305 pp (1904)... 1904:292 pp (1905)... 1905:200 pp (1906)... 1906:134 pp (1908)

01 Gold and silver. U S G S, Min Res, Calendar Year 1900:105-113, California 110-113 (1901)... 1901:117-126, California 117, 119-121 (1902)... 1902:123-131, California 123, 125-127 (1904)

Roberts, S. G.

29 Cat Canyon unique in California oil fields. Comp Air Mag 34 (7): 2815-2818 (July, 1929) (*ann*) An Bib Ec G 2:431 (1929)

Robertson, Glenn D.

22 The Huntington Beach oil field. The Record (Pacific, Associated and Amalgamated Oil Companies) 3:3-5 (July, 1922)

24 (and **Jensen**, **J.**) New development in southern California oil fields. Am As Petroleum G, B 8:135-151 (1924) (*abst*) Eng Index 1924:491 (1925)

28 (and **Jensen**, **Joseph**) Many important disclosures made in southern California developments since 1923. Oil Age 25, no 4:21-24, 53-54 (April, 1928)

28a The Santa Fe Springs Oil Field—past and present. The Record (Associated Oil Co.). 9, no 10:12-14 (October, 1928) (*ann*) An Bib Ec G 1:229 (1928)

28b (and **Jensen**, **Joseph**) Development in southern California since 1923. Am As Petroleum G B 12:625-650, 13 figs (1928), (*abst*) Rv Geol et Sci conn 9:201 (1928) (*abst*) G Zentralbl 38:478 (1929)

Robertson, James D.

94 (and **Winslow**, **Arthur**) Lead and zinc deposits. Mo G S,6 and 7:763 pp, California 187-189. Jefferson City (1894)

Robinson, F. W.

82 Notes on hydraulic mining. Cal St M Bur, St Mineralogist's An Rp 2:119-129 (1882)

Robinson, Samuel.

25 A catalogue of American minerals with their localities. 316 pp, Boston (1825)

Robinson, T. W.

30 (**Taylor**, G. H., and **Stearns**, H. T.) Geology and water resources of the Mokelumne area, Cal. U S G S, W-S P 619:402 pp, maps (1930)

Rockwood, Charles Greene.

72 On the Owens Valley earthquake. Am J Sc (3) 4:316-318 (1872)

Rode, Karl.

29 Structures in the vicinity of Santa Cruz (*abst*) G Soc Am, B 40:171 (1929) Pan Am G 49:309-310 (1928) Deut G Ges, Zs 80, Monatsb:279 (1928)

30 Geomorphogenie des Ben Lomond (Kalifornien) Zs Geomor 5:16-78, 1 map, 5 figs, 9 pls (1930) G Zentralbl 43:185 (1930)

Roesler, A. E. Raw

21 Mining on the Mother Lode of Calif. M Sc Press 122:807-809, 2 figs (1921) (*abst*) Eng Index 1921:258 (1922)

Roessler, A. R.

69 New California tin mine. Eng M J, 8:371, New York (1869). Editorial on same, p 377

Rogers, Austin Flint.

01 Mineralogical notes. Am J Sc (4) 12:42-48, California 46-47 (1901)

08 Report on Palo Alto. *In* Report of the State Earthquake Commission. Carnegie Inst, Wash, Pub 87, 1, pt 2:257-258 (1908)

08a Note on the crystal form of benitoite. Science 28:616 (1908)

10 Notes on some pseudomorphs, petrifactions and alterations. Am Phil Soc, Pr 49:17-23 (1910)

10a Minerals from the pegmatite veins of Rincon, San Diego Co., Cal. Sch Mines Q 31:208-218, 13 figs (1910)

11 A new synthesis and new occurrences of covellite. Sch Mines Q 32, no 4: 298-304, 3 figs (1911)

11a Eglestonite from San Mateo Co., Cal. Am J Sc (4) 32:48-50, 4 figs (1911)

12 Notes on rare minerals from California. Sch Mines Q 33:373-381 (1912) M World 37:105-106 (1912) (*abst*) Eng Index 1912:446 (1913)

14 A new locality for voelckerite (Santa Clara Co., Cal.), and the validity of voelckerite as a mineral species. Miner Mag 17:155-162 (1914)

14a (with **Eakle**, **A. S.**) Wilkeite, a new mineral of the apatite group, and okenite, its alteration product, from southern California. Am J Sc (4) 37:262-267, 1 fig (1914)

14b (with **Turner**, **H. W.**) A geologic and microscopic study of a magmatic

Rogers, Austin Flint—Cont.

copper sulphide deposit in Plumas Co., Cal., and its modification by ascending secondary enrichment. Ec G 9:359-391 (1914)

15 Notes on the occurrence of anhydrite in the United States. Sch Mines Q 36: 123-142, 11 figs (1915)

15a Lawsonite from the central Coast Ranges of California. Am J Sc (4) 39: 105-112 9 figs (1915) Min Absts 1:353 (1922) (*abst*) N Jb 1916, Band 2, Ref:25-26 (1916)

16 (and **Tolman, C. F., Jr.**) A study of the magmatic sulfid ores. Leland Stanford, Junior, Univ Pub, Univ Ser: 76 pp, 20 pls, 7 figs (1916)

18 The occurrence of cristobalite in California. Am J Sc (4) 45:222-226 (1918) Min Absts 2:410 (1925)

18a An American occurrence of periclase and its bearing on the origin and history of calcite brucite rocks. Am J Sc (4) 46: 581-586, 2 figs (1918)

19 Colemanite pseudomorphous after inyoite from Death Valley, Cal. Am Mineralogist 4:135-139, 2 figs, 1 pl (1919) Min Absts 1:241 (1921)

19a An interesting occurrence of manganese minerals near San Jose, Cal. Am J Sc (4) 48:443-449 (1919) Min Absts 1:46 (1920) (*abst*) Rv Geol et Sci conn 2:145 (1921)

22 A new occurrence of cristobalite in California. J G 30:211-216, 1 fig (1922) Min Absts 2:410 (1925)

22a Tridymite-orthoclase rock, a new metamorphic rock type from Imperial Co., Cal. (*abst*, with discussion by A. C. Lane) G Soc Am, B 33:129 (1922)

23 Euhedral magnesite crystals from San Jose, Cal. Am Mineralogist 8:138-140, 2 figs (1923) Min Absts 2:238 (1924)

23a The crystallography of hydromagnesite. Am J Sc (5) 6:37-47, 10 figs (1923) Min Absts 2:320 (1924)

24 Kempite, a new manganese mineral from Santa Clara Co., Cal. Am J Sc (5) 8:145-150, 3 figs (1924) (*abst*) G Soc Am, B 36:206 (1925) Min Absts 2:338 (1924) (*abst*) Rv Geol et Sci conn 6:301 (1925)

24a The crystallography of searlesite. Am J Sci (5) 7:498-502, 4 figs (1924)

26 Geology of Cormorant Island, Salton Sea, Imperial Co., Cal. (*abst*) G Soc Am, B 37:219 (1926) Pan Am G 45:249-250 (1926)

26a (and **Reed, R. D.**) Sand-calcite crystals from Monterey Co., Cal. Am Mineralogist 11:23-28, 2 figs (1926) Min Absts 3:316 (1927)

28 Natural history of the silica minerals. (Presidential Address) Am Mineralogist 13:72-92, 20 figs (1928) Min Absts 4:95 (1929)

Rogers, Austin Flint—Cont.

29 Periclase from Crestmore, near Riverside, Cal., with a list of minerals from this locality. Am Mineralogist 14: 462-469, 12 figs (1929) Min Absts 4:240 (1930)

30 Geological history of Lone Hill. (*abst*) Pan Am G 54:157 (1930)

Rogers, F. J.

29 Cited on experimental study on earthquakes. J G 37:771 (1929)

Rogers, Gailard Sherburne (1889-1919).

17 Relation of sulphur to variation in the gravity of California petroleum (with discussion by C. W. Washburn, Clifford Richardson and Charles F. Mabery). Am I M Eng, B 127:1023-1039; 130:1862-1866 (1917); Tr 57:989-1009 (1918)

17a Chemical relations of the oil field waters in San Joaquin Valley, California. (Preliminary report) U S G S, B 653:119 pp, 7 figs (1917) (*abst*) N Jb 1924, Band 1: 190-191 (1924)

19 The Sunset-Midway oil field, California; Part 2, Geochemical relations of the oil, gas and water. U S G S, P P 117:103 pp, 2 pls, 8 figs (1919) (*abst*) by J. D. Sears, Wash Ac Sc J 10:523 (1920)

20 Comparison of oil field waters of the Mid-Continent area with those of the California fields. Discussion of Ray O'Neal's papers. Petroleum hydrology, applied to Mid-Continent fields. Am I M Eng, Tr 61:572-575 (1920)

Rogers, Henry Darwin.

58 On geology and physical geography of North America. R Inst, Pr 2:167-187 (1858)

Rogers, R. G.

24 The minor oil fields of Kern County; Sunset Extension field. Cal St M Bur, Summary of Operations, California Oil Fields, 9, no 12:18-24, 3 pls (incl map), (1924) (*abst*) Eng Index 1924:491 (1925)

27 Notes on the topography and structure of Alamitos Heights. Oil Bull, 13: 715, 717, 719 (July, 1927) (*abst*) Eng Index 1927:582 (1928)

Rolfe, Frank.

18 (and **Strong, A. M.**) The earthquake of April 21, 1918, in the San Jacinto Mountains (Cal.). Seism Soc Am, B 8:63-67 (1918)

Rolker, Charles M.

79 The late operations of the Mariposa estate (gold veins, Mariposa Co., Cal.). Am I M Eng, Tr 6:145-164 (1879)

95 The production of tin in various parts of the world. U S G S, An Rp 16, pt 3:458-538, California 535-538 (1895)

Rolland, G.

78 Les gisements de mercure de Californie. Soc Minér, France, B 1:98-104 (1878)

78a Les gisements de mercure de Californie. An Mines (7) 14:384-432 (1878)

Root, Aldert S.

05 (with **Lampham**, Macy H., **Mackie**, W. W.) Soil survey of the Sacramento area, California. U S Dp Agr, Bur Soils, Rp 6, 1904:1049-1087, map 49 (1905)

05a (with **Holmes**, J. G., **Jensen**, C. A., **Marean**, H. W., **Neill**, N. P., **McLendon**, W. E., **Burgess**, J. L., **Strahorn**, A. T., and **Sweet**, A. T.) Soil survey of the Yuma area, Arizona-California. U S Dp Agr, Bur Soils, Rp 6, 1904:1025-1047, map 47 (1905)

05b (with **Holmes**, J. G., **Marean**, H. W., **Neill**, N. P., **Sweet**, A. T., and **McLendon**, W. E.) Soil survey of the San Bernardino Valley, Cal. U S Dp Agr, Bur Soils, Rp 6, 1904:1115-1151, map 53 (1905)

Root, Edward W.

68 On enargite from the Morning Star mine, Cal. Am J Sc (2) 46:201-203 (1868)

Root, Lloyd L.

23 (and **Hamilton**, F.) Nineteenth report of the State Mineralogist; Mining in California and the activities of the State Mining Bureau: 258 pp (1923)

24 Twentieth report of the State Mineralogist. Mining in California and the activities of the State Mining Bureau: 473 pp (1924)

25 Twenty-first report of the State Mineralogist. Mining in California and the activities of the State Mining Bureau: 595 pp (1925)

26 Twenty-second report of the State Mineralogist Mining in California and the activities of the State Mining Bureau: 610 pp (1926)

27 Twenty-third report of the State Mineralogist Mining in California and the activities of the California State Mining Bureau: 456 pp (1927)

28 Twenty-fourth report of the State Mineralogist. Mining in California and the activities of the California State Mining Bureau: 405 pp (1928)

Ross, Clyde P.

23 The lower Gila region, Arizona, a geographic, geologic and hydrologic reconnaissance. U S G S, W-S P 498:237 pp (1923)

24 Quicksilver. U S G S, Min Res, Calendar Year 1923:35-42, California 35, 41, 42 (1924)

Ross, Clyde P.—Cont.

25 Quicksilver. Min Ind 33:632-637, California 632, 634 (1925)

27 Quicksilver. U S B M, Min Res, Calendar Year 1924:13-19, California 13-14, 19 (1927)

Rothpletz, August (1853-1918).

10 Uber die Ursachen des Kalifornischen Erdbedens von 1906. K Bayer Ak Wiss, Mat-phys Kl, Szb, 1910 Abh 8:32 pp, 2 pls, 2 figs, Munchen (1910)

Rothwell, Richard P.

92 Gold and silver. *In* U S 11th Census Report on Mineral Industries in the United States: 31-152 (1892)

93 The mineral industry, its statistics, technology and trade in the United States and other countries from the earliest times to the end of 1892 1:628 pp (1893)... 1893 2:894 pp (1894)... 1894 3:770 pp (1895)... 1895 4:849 pp (1896)... 1896 5:865 (1897)... 1897 6:903 (1898)... 1898 7:909 (1899)... 1899 8:916 pp (1900)... 1900 9:918 pp (1901)

Roume.

94 (and **Riche**) The petroleum industry of the United States. (l' industrie du Petrole aux Etats d'Amerique) An Mines (9) 5:67-130, 1 pl (1894) Inst M Eng, Tr 9:519-520 (1895)

Roundy, P. V.

27 (and **Woodring**, Wendell Phillips) Geology and oil development of the Elk Hills, Cal. (*abst*) Wash Ac Sc, J 17, no 10:271-272 (1927)

Roush, G. A.

14 Mineral industry, its statistics, technology and trade, during 1913 22:1010 pp (1914)... 1914 23:998 pp (1915)... 1915 24:941 pp (1916)... 1916 25:939 pp (1917)... 1917 26:928 pp (1918)... 1918 27:937 pp (1919)... 1919 28:902 pp (1920)... 1920 29:907 pp (1921)... 1921 30:895 pp (1922)... 1922 31:903 pp (1923).. 1923 32:887 pp (1924)... 1924 33:917 pp (1925)... 1925 34:905 pp (1926)... 1926 35:878 pp (1927)... 1927 36:766 pp (1928)... 1928 37:802 pp (1929)

Ruckman, John H.

13 Evidence indicating an unconformity at the base of the Tamiosoma zone in the Coalinga oil field, California (*abst*, with discussion by J. A. Taff) G Soc Am, B 24:132 (1913)

Russell, C. P.

25 Glacial polish. Yosemite Nature Notes 4, no 19:97 (1925)

26 Reading history in glacial debris. Yosemite Nature Notes 6, no 4:28-29 (1926)

Russell, C. P.—Cont.

26a How lakes build ramparts. Yosemite Nature Notes 5, no 3:17 (1926)

26b What becomes of our mountain meadows. Yosemite Nature Notes 6, no 5:37 (1926)

29 Geology of Yosemite National Park. Dp Interior, National Park Service, Yosemite National Park, Yosemite Ranger-Naturalist Manual 2:64-80 (1929)

29a The story of the origin of Yosemite Valley, Dp Interior, National Park Service, Yosemite National Park, Yosemite Ranger-Naturalist Manual 1:105-110 (1929)

Russell, Israel Cook (1852-1906).

83 Playas and playa lakes. Pop Sc Mo 22:380-383 (1883)

84 A geological reconnaissance in southern Oregon. U S G S, An Rp 4:431-464, maps (1884)

84a Glaciers of the high Sierra in California. Science 3:208 (1884)

85 Existing glaciers of the United States. U S G S, An Rp 5:303-355, maps (1885) (*abst*) Petermann's Mitt 1887 (Beil zum 33):10 (1887)

85a Deposits of volcanic dust in the Great Basin. Ph Soc Wash, B 7:18-20 (1885)

85b The existing glaciers of the high Sierra of California (with discussion). Ph Soc Wash, B 7:5-8 (1885)

87 Notes on the faults of the Great Basin and of the eastern base of the Sierra Nevada. (*abst*, with discussion by G. K. Gilbert, Bailey Willis and J. S. Diller) Ph Soc Wash, B 9:5-8 (1887)

88 The Great Basin. Overland Monthly (2) 11:420-426 (1888)

89 Quaternary history of Mono Valley, Cal. U S G S, An Rp 8:261-394, maps (1889) (*abst*) Petermann's Mitt 1891 (Beil zum 37):115 (1891)

89a Subaerial decay of rocks and origin of the red color of certain formations. U S G S, B 52:63 pp, California 26, 27, 53 (1889)

89b Subaerial deposits of the arid region of North America. G Mag (3) 6:289-295, 342-350 (1889)

92 Correlation papers: The Newark system. U S G S, B 85:344 pp, maps (1892) (*abst*) Petermann's Mitt 1894 (Beil zum 40):50-51 (1894)

92a Climatic changes indicated by the glaciers of North America. Am G 9:322-336 (1892)

95 Lakes of North America... 125 pp, Boston (1895) (*abst*) Petermann's Mitt 1897 (Beil zum 43):182 (1897)

97 Glaciers of North America... 210 pp, Boston (1897)

97a Volcanoes of North America... 346 pp, N Y (1897) (*abst*) Petermann's Mitt 1898 (Beil zum 44):59-60 (1898)

Russell, Israel Cook—Cont.

98 Rivers of North America... xix, 327 pp, N Y (1898)

98a The glaciers of North America. Geog J 12:553-564 (1898)

05 Hanging valleys. G Soc Am, B 16: 75-90 (1905) (*abst*) Science (n s) 21:218 (1905) Sc Am Sup 59:24326 (1905)

Russell, R. Dana.

29 (and **Hinds**, N. E. A.) Ione formation of Redding district. (Summary statement) Pan Am G 51:375 (1929) (*abst*) G Soc Am, B 41:157 (1930)

29a Fossil pearls from the Chico formation of Shasta Co., Cal. Am J Sc (5) 18: 416-428 (1929) (*abst*) G Zentralbl 41:523 (1930) J Paleontology 4:75 (1930)

Russell, Richard Joel.

26 Preliminary statement on the geology of the Warner Range in northeastern California. (*abst*) G Soc Am, B 37:222 (1926)

26a Recent horizontal offsets along the Haywards fault. J G 34:507-511, 2 figs (1926) (*abst*) G Soc Am, B 37:211-212 (1926) Rv Geol et Sci conn 7:439-440 (1926) G Zentralbl 36:496 (1927)

27 Landslide lakes of the northwestern Great Basin. Cal Univ, Pub Geog 2:231-254, 4 figs, 4 tables (1927) (*abst*) G Zentralbl 36:130 (1927)

27a The land forms of Surprise Valley, northwestern Great Basin. Cal Univ, Pub Geog 2:323-358, 12 figs (1927)

28 Basin range structure and stratigraphy of the Warner Range northeastern California. Cal Univ, Dp G, B 17:387-496, 32 figs, 1 map (1928) (*abst*) G Zentralbl 41:149 (1930)

30 Do fault patterns indicate type of displacement? (*abst*) Pan Am G 54:75-76 (1930)

Russell, Smith.

30 The Del Rey, California, oil field, latest addition to the group of seaside pools. Oil Bull 16:137-139 (February 1930) (*abst*) Eng Index 1930:1223 (1931)

Rutley, Frank (1842-1904).

90 On composite spherulites in obsidian from Hot Springs, near Little Lake, Cal. G Soc London, Q J 46:423-428 (1890) (*abst*) G Mag (3) 7:233-234 (1890)

Sachs, A.

07 Zinnoberkristalle aus Sonoma County in Kalifornien; Gips– und Kalkspatkristalle von Terlingua in Texas. Centralbl Miner 1907:17-19 (1907)

Salathe, F.

96 Petroleum; its origin in California, its composition and chemical nature. Cal M Bur Rp 13:656-661 (1896)

Salisbury, Samuel H., Jr.

15 Salt. Min Ind 23:677-682, California 677, 678 (1915)... 24:636-641, California 637-639 (1916)... 25:660-666, California 660-664 (1917)... 26:634-642, California 635, 636, 637, 638 (1918)

15a Pyrite. Min Ind 23:691-697, California 691-692, 693, 694 (1915)

18 Nitrate. Min Ind 26:621-632, California 632 (1918)

Salt Lake Mining Review.

16 Quicksilver in California. 18:39 (1916)

Sampson, Edward.

22 Chromite. U S G S, Min Res, Calendar Year 1920:21-28, California 23-24 (1922)... 1921:15-17, California 15 (1924)... 1922:107-112, California 107 (1925)

23 Talc and soapstone. U S G S, Min Res, Calendar Year 1920:201-213, California 202-204 (1923)... 1921:97-103, California 97-99 (1924)... 1922:81-86, California 81-83 (1925)

23a Asbestos. U S G S, Min Res, Calendar Year 1920:309-322, California 310, 316-317 (1923)... 1921:135-142, California 135, 138-139 (1924)... 1922:31-37, California 33 (1925)... 1923:339-350, California 341 (1927)

Sampson, R. J.

29 (and **Tucker,** W. B.) Los Angeles field division; Riverside County. Cal Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25: 468-526 (1929)

Sanford, Samuel.

04 Coal and coke. Min Ind 12:48-73, California 48, 52 (1904)

06 (and **Fuller,** M. L.) Record of deep-well drilling for 1905. U S G S, W-S P 298:299 pp, California 38-43, 187-192 (1906)

07 Mineral waters. U S G S, Min Res, Calendar Year 1906:1165-1194, California 1167-1169, 1171, 1174 (1907)... 1907:751-784, California 754-756, 758, 760 (1908)... 1908: 755-790, California 759-762, 766-767 (1909)... 1909:857-895, California 863-867, 870-871 (1911)

14 (and **Stone,** Ralph W.) Useful minerals of the United States. U S G S, B 585250 pp (1914) California 24-38

17 (with **Stone,** R. W., and **Schrader,** F. C.) Useful minerals of the United States (a revision of Bulletin 585) U S G S, B 624:412 pp California 42-80 (1917)

Santmyers, Reigart M.

25 Lead. Min Ind 33:422-447, California 431, 432 (1925)... 34:427-453, California 435, 437 (1926)... 35:395-422, California 404, 406 (1927)... 36:340-366, California 350, 351 (1928)... 37:360-385, California 369-370 (1929)... 38:381-409, California 389-390 (1930)

Santmyers, Reigart M.—Cont.

26 (and **Furness,** J. W.) Mercury. U S B M, Information Circular 6007:7-8 (1926)

28 (and **Stoll,** A.) Barite. U S B M, Min Res, Calendar Year 1925:109-116, California 110, 112 (1928)... 1926:81-89, California 82 (1929)

29 (and **Middleton,** Jefferson) Gypsum. U S B M, Min Res, Calendar Year 1926: 141-150, California 143, 146 (1929)... 1927: 113-128, California 115-116 (1930)... 1928: 155-174, California 157, 159, 161, 166, 167 (1929)... 1929:105-118, California 106, 108 (1930)

29a Ocher and ochery earths. U S B M, Information Circular 6132: California 14 (1929)

29b Development of the domestic gypsum industry by states. U S B M, Information Circular 6173: California 6-9 (1929)

29c Strontium from a domestic standpoint. U S B M, Ec P 4: California 5 (1929)

29d Barite and barium products. U S B M, Min Res, Calendar Year 1927:247-256, California 248, 249 (1929)

30 Barite and barium products. U S B M, Information Circular 6221:23 (1930)

30a Caesium, rubidium and lithium. U S B M, Information Circular 6215, California 7 (1930)

30b (and **Stoddard,** B. H.) Barite and barium products. U S B M, Min Res, Calendar Year 1928:227-235, California 227-229 (1930)

Sapper, Karl Theodor.

18 Tätigkeit des Lassen Peak in den Jahren 1914 und 1915 bis Anfang 1916. Zs Vulkanologie 4:51-52 (1918)

Sauer, Carl.

29 Land forms in the Peninsular Range of California as developed about Warner's Hot Springs and Mesa Grande. Cal Univ, Pub Geog 3, no 4:199-290, 5 figs, 21 pls (1929)

Saunders, Charles Francis.

23 The southern Sierra of California. 367 pp (1923)

Saunders, L. W.

24 The minor oil fields of Kern County: Hovey Hills field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 9, no 12:11-18, 2 pls (incl map). (June, 1924) (*abst*) Eng Index 1924:491 (1925)

25 Recent developments in the east end of the Elk Hills oil field. Cal St M Bur, Summary of Operations, California Oil

Saunders, L. W.—Cont.

fields, An Rp 10, no 11:5-11, 3 pls (May, 1925) (*abst*) Eng Index 1925:525 (1926)

27 (and **Wilhelm**, V. H.) Report on the Mt. Poso oil field. Cal St M Bur, Summary of Operations, Cal Oil Fields, An Rp 12, no 7:5-12, 2 pls (1927)

Sauvage, Ed.

76 De l'exploitation hydraulique de l'or en Californie. An Mines (7) 9:1-77 (1876)

Savage, J. L.

29 (with **Elliott**, G. A., **Berkey**, C. P., **Hinderlider**, M. C., **Louderback**, G. D., and **Williams**, I. A.) Report of the Consulting Board of Safety on the Proposed San Gabriel Dam, Los Angeles, Cal. Cal State Dp of Public Works, Div Water Resources Rp: 10 pp (1929)

30 (**Berkey**, C. P., **Elliott**, G. A., **Louderback**, G. D., and **Williams**, I. A.) Report of the Consulting Board on the safety of the Mulholland Dam, Hollywood. Cal St, Dp Pub Works, Div Water Resources, Rp: 14 pp (June, 1930) (*ann*) An Bib Ec G 3:430 (1931)

Schaeffer, George C. (1815-1873).

57 Description of the structure of the fossil wood from the Colorado Desert (Williamson's reconnaissance in California). U S, Pacific R R Expl (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91), 5 pt 2:338-339, il (1857)

Schairer, J. F.

24 (and **Lawson**, C. C.) Copiapite from the Santa Maria Mountains, eastern Riverside Co., Cal. Am Mineralogist, 9:242-244 (1924) Min Absts 3:214 (1926)

Schaller, Waldemar Theodore.

03 Minerals from Leona Heights, Alameda Co., Cal. Cal Univ, Dp G, B 3:191-217 (1903)

03a Spodumene from San Diego Co., Cal. Cal Univ, Dp G, B 3:265-275 (1903)

04 Notes on some California minerals. Am J Sc (4) 17:191-194 (1904)

04a (and **Hillebrand**, W. F.) Crystallographical and chemical notes on lawsonite. Am J Sc (4) 17:195-197 (1904)

04b The tourmaline localities of southern California. Science (n s) 19:266-268 (1904)

05 (and **Hillebrand**, W. F.) Notes on lawsonite. U S G S, B 262:58-60 (1905)

05a Dumortierite. Am J Sc (4) 19:211-224 (1905) U S G S, B 262:91-120 (1905)

05b Mineralogical notes. U S G S, B 262:121-144 (1905)

05c Crystallography of lepidolite. Am J Sc (4) 19:225-226 (1905)

Schaller, Waldemar Theodore—Cont.

05d (and **Graton**, L. C.) Purpurite, a new mineral. Am J Sc (4) 20:146-161 (1905) Zs Kryst 41:433-438 (1905)

07 The chemical composition of molybdic ocher. Am J Sc (4) 23:297-303 (1907) Zs Kryst 43:331-337 (1907)

07a Mineralogical notes. Am J Sc (4) 24:152-158 (1907) Zs Kryst 44:1-8 (1907)

08 Some calcite crystals with new forms Wash Ac Sc, Pr 11:1-16 (1909) Zs Kryst 44:321-331 (1908)

10 Analysis of tourmaline and associated minerals from San Diego County. U S G S, B 419:279 (1910)

10a Axinit von Californien. Zs Kryst 48:148-157 (1910)

10b Some pegmatites from southern California. (*abst*) Science (n s) 31:516-517 (1910)

11 Mineralogical notes, series 1. U S G S, B 490:109 pp (1911)

11a Bismuth ochers from San Diego Co., Cal. Am Chem Soc, J 33:162-166 (1911) Zs Kryst 49:229-232 (1911) (*abst*) Wash Ac Sc, J 1:37 (1911)

11b Cuprodescloizite from California. Wash Ac Sc, J 1:149-150 (1911)

11c Notes on purpurite and heterosite. U S G S, B 490: California 79 (1911)

11d Notes on neptunite. U S G S, B 490:55-57 (1911)

11e Orbicular gabbro from Pala, San Diego County. U S G S, B 490:58-59 (1911)

11f Albite from lawsonite schist, Marin County. U S G S, B 490:48-52 (1911)

12 Beitrag sur Kenntnis der Turmalingruppe. Zs Kryst 51:320-343 (1912) (*abst*) Wash Ac Sc, J 3:151 (1913)

12a Mineralogical notes, series 2. U S G S, B 509:115 pp (1912) (*abst*) Wash Ac Sc, J 2:349 (1912)

12b New manganese phosphates from the gem tourmaline field of southern California. Wash Ac Sc, J 2:143-145 (1912)

13 Immense bloedite crystals. Wash Ac Sc, J 3:75-76 (1913)

13a The refractive indices of strengite. Wash Ac Sc, J 3:249 (1913)

16 Cassiterite in San Diego Co., Cal. U S G S, B 620:351-354 (1916) Min Absts 1:414 (1927) (*abst*) G Zentralbl 28:101 (1922)

16a The probable identity of mariposite and alurgite. U S G S, B 610:139-140 (1916)

16b Inyoite and meyerhofferite, two new calcium borates. U S G S, B 610:35-55 (1916)

16c Mineralogic notes, series 3. U S G S, B 610:164 pp (1916) (*abst*) Wash Ac Sc, J 6:453-454 (1916)

16d New occurrences of some rare minerals. U S G S, B 610:137 (1916)

Schaller, Waldemar Theodore—Cont.

17 Feldspar. U S G S, Min Res, Calendar Year 1915:843-858, California 850 (1917)

17a Mica. U S G S, Min Res, Calendar Year 1915:277-290, California 283, 290 (1917)

17b Quartz and related minerals. U S G S, Min Res, Calendar Year 1915:843-858, California 852, 854 (1917)

17c Topaz. U S G S, Min Res, Calendar Year 1915:843-858, California 855-856 (1917)

17d Vesuvianite (Californite). U S G S, Min Res, Calendar Year 1915:843-858, California 856 (1917)

17e Tourmaline. U S G S, Min Res, Calendar Year 1915:843-858, California 856 (1917)... 1916:887-899, California 895-898 (1919)

17f Garnet. U S G S, Min Res, Calendar Year 1915:843-858, California 851 (1917)... 1916:887-899 (1919)

17g Beryl. U S G S, Min Res, Calendar Year 1915:843-858, California 846 (1917)... 1916:887-899, California 891 (1919)

17h Diamonds. U S G S, Min Res, Calendar Year 1915:843-858, California 848-849 (1917)... 1916:887-899, California 892 (1919)... 1917:145-168, California 146 (1920)... 1918:7-14, California 9 (1921)

17i Value of precious stones. U S G S, Min Res, Calendar Year 1915:843-858, California 845 (1917)... 1916:887-899, California 890-891 (1919)... 1917:145-168, California 146 (1920)... 1918:7-14, California 8 (1921)

17j Our mineral supplies. U S G S, B 666:157 (1917)

19 Lithium minerals. U S G S, Min Res, Calendar Year 1916:7-17, California 13-15 (1919)

19a Dumortierite. U S G S, Min Res, Calendar Year 1916:887-899, California 893 (1919)

25 The genesis of lithium pegmatites. Am J Sc (5) 10:269-279, 1 fig (1925) Min Absts 3:36 (1926) (*abst*) Rv Geol et Sci conn 8:285 (1927)

27 Kernite, a new sodium borate. Am Mineralogist, 12:24-25 (1927) Min Absts 3:271 (1927)

27a Mineral replacements in pegmatites. Am Mineralogist, 12:59-63 (1927)

28 Hydroboracite from California. Festschrift Victor Goldschmidt, 256-262, 1 fig, Heidelberg (1928)

28a The probable identity of camsellite with szaibelyite. Am Mineralogist 13: 230-232 (1928)

30 Borate minerals from the Kramer district, Mohave Desert, California. U S G S, P P 158:137-170, 27 figs, 6 pls, (1930) Min Absts 4:245-246 (1930) Miner Mag 22: 622 (1931)

Schenck, Hubert G.

25 (and **Kerr,** Paul F.) Active thrust-faults in San Benito Co., Cal. G Soc Am, B 36:465-494 (1925) (*abst*) G Soc Am, B 36:157 (1925) Pan Am G 43:152 (1925) G Zentralbl 34:314-315, 361 (1927) Rv Geol et Sci conn 8:555 (1927)

26 Cassididae of western America. Cal Univ, Dp G, B 16:69-98, 1 fig, 4 pls (1926) (*abst*) Rv Geol et Sci conn 8:600 (1927)

26a Should new fossil species be described from wells? Science 64:65-66 (1926) (*abst*) Biol Absts 1:371 (1927)

27 Diatoms in western Oregon shales. Ec G 22:565-568 (1927) Rv Geol et Sci conn 8:569-570 (1927) G Zentralbl 37:109 (1928)

27a Marine Oligocene of Oregon. Cal Univ, Dp G, B 16:449-460, 1 fig (1927) (*abst*) G Soc Am, B 38:202 (1927)

27b Diatomaceous shale interbedded with arkose. (*abst*) G Soc Am, 38:196 (1927)

28 (and **Cushman,** J. A.) Two foraminiferal faunules from the Oregon Tertiary. Cal Univ, Dp G, B 17:305-324, pls 42-45 (1928) (*abst*) G Zentralbl 41:343 (1929)

28a (and **Nelson,** R. N.) Calcareous algae in Pacific Coast limestones. (*abst*) G Soc Am, B 39:266 (1928)

28b The biostratigraphic aspect of micropaleontology. J Paleontology 2:158-165 (1928)

28c A new echinoid from the California Eocene. San Diego Soc N H, Tr 5:195-202, pl 24 (1928) (*abst*) G Zentralbl 41:168 (1930)

28d Stratigraphic relations of Western Oregon Oligocene formations. Cal Univ, Dp G, B 18:1-50, 18 figs (1928) (*abst*) Rv Geol et Sci conn 9:449-450 (1928)

28e Pleistocene of southern California. Am As Petroleum G, B 12:559 (1928)

28f (and **Kerr,** Paul F.) Significance of the Matilija overturn. G Soc Am, B 39:1087-1102 (1928) Pan Am G 49:77 (1928) (*abst*) G Zentralbl 41:84-85, 511 (1930)

29 (and **Nelson,** R. N.) Fossil calcareous algae in Pacific Coast marine formations. (Summary statement) Pan Am G 52:155-156 (1929)

29a *Discocyclina* in California. San Diego Soc N H, Tr 5:211-240, pls 27-30, figs 1-10 (1929) (*abst*) G Soc Am, B 40:259 (1929) (Summary statement) Pan Am G 49:316-317 (1928) (*abst*) Rv Geol et Sci conn 10:107 (1929) (*ann*) An Bib Ec G 2: 403 (1929) J Paleontology 4:201 (1930) G Zentralbl 41:50-51 (1930)

29b Pittsburg bluff fauna of the Oregon Oligocene. (*abst*) G Soc Am, B 40:163-164 (1929)

30 (and **Nelson,** Richard N.) Eocene algae and stellate orbitoids from Santa

Schenck, Hubert G.—Cont.

Ynez Range. (*abst*) Pan Am G 54:240 (1930)

30a Miocene brown shale of Kettleman Hills wells, California. (*abst*) Pan Am G 54:76 (1930)

30b Cephalopods of genus Aturia from western North America. (*abst*) Pan Am G 54: 238 (1930)

Schiel, James.

55 List and description of organic remains collected during the exploration of the central Pacific railroad line 1853-54. *In* Beckwith, E. G., Report ... forty-first parallel. U S, Pacific R R Expl (U S 33d cong, 1st sess, H Ex Doc 129, v 18, pt 2): 134-135 (1855); also (U S) 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 2:108-109, il (1855)

55a Geological report of the country explored under the 38th and 41st parallels of north latitude in 1853-54. *In* Beckwith, E. G., Report ... Forty-first parallel U S, Pacific R R Expl (U S 33d cong, 1st sess, H Ex Doc 129, v 18, pt 2): 120-133 (1855); also U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 2:96-107 (1855)

61 On the presence of phosphoric acid in igneous rocks. Am J Sc (2) 31:353 (1861)

Schilling, Karl H.

23 (and **Wagner,** Carroll M.) The San Lorenzo group of the San Emigdio region, California. Cal Univ, Dp G, B 14:235-276, 8 pls (1923) (*abst*) G Zentralbl 31:314 (1924) Rv Geol et Sci conn 5:577, 788 (1924)

Schlagintweit, Robert von.

71 Californien. Land und leute: 380 pp, il, Yosemite 179-212 (1871)

Schmeckebier, Laurence Frederick.

04 Catalogue and index of the publications of the Hayden, King, Powell and Wheeler surveys. U S G S, B 222:208 pp (1904), (California pp 78-80)

Schnatterbeck, Charles C.

04 Sulphur and pyrite. Min Ind, 12:315-323, California 322 (1904)

06 Bismuth. U S G S, Min Res, Calendar Year 1905:441-443, California 441-442 (1906)

Schott, Arthur.

57 Geology of lower Colorado region. U S and Mexican Boundary Surveys. Report by Emory, 1, pt 3:92-99, Washington (1857)

57a Geological observations on the country along the boundary line lying between the 111th degree of longitude and the initial point on the Rio Colorado. *In* Emory, W. H., Report on the United States and Mexican boundary survey... (U S 34th cong, 1st sess, S Ex Doc 108 and H Doc 135), v 1, pt 2:62-77 (1857)

Schrader, Frank Charles.

17 (with **Stone,** R. W., and **Sanford,** S.) Useful minerals of the United States (a revision of Bulletin 585). U S G S, B 624: 412 pp (California: 42-80), (1917) (*abst*) G Zentralbl 28:229 (1922)

Schrauf, A.

94 Aphorismen über Zinnober. Zs Prak G 1894:10-18 (1894)

Schroeckinger, J. von.

77 Pošepnyt, ein neues Harz aus Californien. K-k G Reichsanstalt, Verh. no 8:128-130 (1877) (*abst*) G Rec 1877:251 (1880)

Schuchert, Charles.

94 (and **Diller,** J. S.) Discovery of Devonian rocks in California. Am J Sc (3) 47:416-422 (1894)

95 Directions for collecting and preparing fossils. U S Nat Mus, B 39, pt K:31 pp (1895) California App: 30-31

06 The Russian Carboniferous and Permian compared with those of India and America. Am J Sc (4) 22:29-46, 143-158 (1906)

10 Paleogeography of North America. G Soc Am, B 20:427-606 (1910) G Zentralbl 19:605-606 (1913)

23 Sites and nature of the North American geosynclines (presidential address) G Soc Am, B 34 no 2:151-229, 17 figs. (paleogeographic maps), June, 1923. (*abst*) G Zentralbl 30:237-240 (1924)

24 Historical geology. Pt 2 of Textbook of Geology, by L. V. Pirsson and Charles Schuchert. Second revised edition, 724 pp, 237 figs, 47 pls, map (1924)

Schuette, C. N.

10 The sampling and estimation of quicksilver ore. M Sc Press, 122:293-295 (February 26, 1910)

26 Engineering principles applied to exploitation of a clay deposit. Eng M J 121:964-968 (June 12, 1926)

29 Cutting clay production costs with systematic mining methods (Jones Butte clay deposit, Amador Co., Cal.). Eng M J 127, no 5:196-198 (February 2, 1929) (*ann*) An Bib Ec G 2:81 (1929)

29a Underground clay mining. Brick and Clay Record, 74, no 10:671-673 (May 7, 1929)

30 Occurrence of quicksilver ore bodies. Am I M Eng, Tech Pub 335:88 pp 16 figs (1930)

Schultze, E. A.

97 (and **Kain**, C. H.) The Santa Monica (Cal.) diatomaceous deposit with list of references to figures of species. Torrey Bot Club, B 24:496-504 (1897)

Schuster, M.

87 Mikroskopische Beobachtungen an californischen Gesteinen. N Jb, Beil Bd 5:451-578 (1887) (*abst*) Am Nat 22:452 (1888)

Schuyler, J. D.

97 Reservoirs for irrigation. U S G S, An Rp 18, pt 4:617-740 (1897)

Schwartz, Ernest H. L.

12 The Atlantic and Pacific types of coast. Geog J 40:294-299, California 297-299 (1912)

Schwennesen, A. T.

23 (with **Overbeck**, R. M., and **Dubendorf**, H. H.) What research shows for Long Beach field. Oil Weekly 31:27 54, 58 (October 20, 1923)

24 (with **Overbeck**, R. M., and **Dubendorf**, H. H.) The Long Beach oil field (California) and its problems. Am As Petroleum G, B 8:403-423, 6 figs, 1 pl (1924) (*abst*) Eng Index 1924:491 (1925)

Science News Letter.

27 Record borax deposit. April 9:229 (1927)

Sclater, K. C.

30 Positive results in building rock pressure at Seal Beach. Petroleum Eng 1:22-24 (June 1930)

Scott, Flora Murray.

26 Notes on the flora of the Miocene of the Tesla region, California. Torrey Bot Club, B 53:403-410, 1 pl (1926) (*abst*) Biol Absts 1:539 (1927)

Scott, W. A.

16 California magnesite industry and production. M World 43 (March 1916)

Scott, William Berryman.

94 The later Tertiary lacustrine formations of the West. (*abst*) G Soc Am, B 5: 594-595 (1894) Am J Sc (3) 47:139-140 (1894) Am G 13:141-142 (1894)

13 A history of land mammals in the western hemisphere. xiv, 693 pp, N Y (1913)

Scupham, J. R.

98 The buried rivers of California as a source of gold. M Min 19:150-152 (1898) (*abst*) Eng Index 3:462 (1901)

See, Thomas Jefferson Jackson.

06 The San Francisco earthquake of April 18. Nature 74:30 (1906)

06a The cause of earthquakes, mountain formation, and kindred phenomena connected with the physics of the earth. Am Ph Soc, Pr 45:274-414 (1906)

Seeley, E. M.

27 (and **Richardson**, G. B.) Natural gas gasoline. U S B M, Min Res, Calendar Year 1924:331-337, California 331, 334-337 (1927)

30 (and **Hopkins**, G. R.) Natural gasoline. U S B M, Min Res, Calendar Year 1928:205-219, California 208-211, 213-214, 216 (1930)

Seismological Society of America.

11 Seismological notes. Seism Soc Am, B 1-19 (1911-1929) Under this heading notices are given of the occurrence of earthquakes in different parts of California (1911-1929)

Sellards, E. H.

14 Fuller's earth. Min Ind, 22:257-260, California 258, 259 (1914)... 23:275-276, California 275, 276 (1915)... 24:263, California 263 (1916)

Senior, Sam P., Jr.

29 San Francisco Field Division: San Mateo County, Cal., Dp Nat Res, Mines and Mining, Mining in California. St Mineralogist's Rp 25:245-259 (1929)

Service, Jerry H.

26 (and **Neumann**, Frank) Seismological report, April, May, June, 1925. U S, Coast S, serial 337:46 pp (1926)

Seyd, Ernest.

58 California and its resources. 168 pp, London, Gold mining 30-53, asphalt 55-56 (1858)

Shaler, Nathaniel Southgate (1841-1906).

70 California earthquakes. Atlantic Monthly 25:351-360 (1870)

94 Sea and land; features of coasts and oceans with special reference to the life of man. 252 pp, California 18, N Y (1894)

95 Evidences as to change of sea level. G Soc Am, B 6:141-166, California 160 (1895)

Shannon, Earl V.

20 Analyses and optical properties of amesite and corundophilite from Chester, Massachusetts, and chromium-bearing chlorites from California and Wyoming. U S Nat Mus, Pr 58:371-379 (1920) Min Absts 1:214 (1921)

Shannon, Earl V.—Cont.

20a (and **Larsen,** E. S.) Boussingaultite from South Mountain, near Santa Paula, Cal. Am Mineralogist 5:127-129 (1920) Min Absts 3:313 (1927)

20b Recent accessions in the division of applied geology. U S Nat Mus, Pr 58: 323-326 (1920) Min Absts 1:147 (1921)

20c The occurrence of bindheimite as an ore mineral. Ec G 15:88-93, California 92-93 (1920) (*abst*) Rv Geol et Sci conn 5:135 (1924)

22 Velardenite from a new locality in Tulare Co., Cal. U S Nat Mus, Pr 60, art 22, 4 pp (1922) Min Absts 2:190 (1923)

29 Miargyrite silver ore from the Randsburg district, California. U S Nat Mus, Pr 74, no 21:1-10 (January 31, 1929) (*ann*) An Bib Ec G 2:64 (1929) Min Absts 4:142 (1929)

30 (and **Short,** M. N.) Violarite and other rare nickel sulfides. Am Mineralogist 15:1-22, 10 figs (1930) Min Absts 4: 335-336 (1930)

Sharwood, William J.

04 (with **Eakle,** A. S.) Luminescent zinc blende (Mariposa Co., Cal.). Eng M J 77:1000 (1904)

07 Some associations of gold with pyrite and tellurides. M Sc Press, 94:117 (January 26, 1907)

08 (with **Louderback,** G. D.) Crocidolite-bearing rocks of the California coast ranges. (*abst*) G Soc Am, B 19:659 (1908)

08a The O'Harra Pocket Mine. M Sc Press, 96, no 1:782 (June 6, 1908)

11 Notes on tellurium-bearing gold ores. Ec G 6:22-36 (1911)

Shaw, Eugene Wesley.

17 Petroleum and asphalt in the United States (with discussion). Pan Am Sc Cong, 2d, Pr sec 3, 3:188-200 (1917)

Shaw, G. W.

02 (**Snow,** F. J., and **Hilgard,** E. W.) Lands of the Colorado delta in the Salton Basin, California. Agr Exp Sta Berkeley, Cal., B 140:51 pp 1 pl, 5 figs (1902) (review) U S, Dp Agr, Office Exp Sta, Rec 13:1025-1026 (1902)

Shayer, F. J.

23 The production record of Long Beach field. Oil Weekly, 30:23-24 (June 30, 1923)

Shell Oil Company of California.

23 Long Beach General Petroleum Corporation strikes deep sand. Field Activities Summary 2:206 (August 17, 1923)

Shepard, Charles Upham (1804-1886).

72 On a meteoric iron lately found in El Dorado Co., Cal. Am J Sc (3) 3:438 (1872)

78 Tincalconite (Borax). Soc Miner, France, B 1:144 (1878)

80 On the Ivanpah, Cal., meteoric iron. Am J Sc (3) 19:381-382 (1880)

85 On meteoric iron from Trinity Co., Cal. Am J Sc (3) 29:469 (1885)

Shepherd, Forrest.

51 Observations on the Pluton geysers of California. Am J Sc (2) 12:153-158 (1851)

Sherman, R. W.

27 The west Goleta district, a summary of the geology of the Edwards anticline. Oil Bull 13, no 4:350-352 (April, 1927) 1144 (November, 1927)

28 The new Elwood district. Oil Bull 14, no 9:918, 1 fig (September 1928) (*abst*) Eng Index 1928:1298 (1929)

Shimmer, George L.

22 Ancient river channels of Calfiornia. Eng M J 114:857 (1922)

Shimizu, S.

21 (and **Yabe,** H.) Notes on some Cretaceous ammonites from Japan and California. Tôhoku Imp Univ, Sc Rp (Geology) (2) 5:51-59, pls, figs (1921) (*abst*) N Jb 1922, Band 2:203-204 (1922)

Short, M. N.

30 (and **Shannon,** Earl V.) Violarite and other rare nickel sulfides. Am Mineralogist 15:1-22, 10 figs (1930) Min Absts 4:335-336 (1930)

Shuck, Oscar T.

69 California Scrap-Book; A Repository of Useful Information and Select Reading; 695 pp: History of the Discovery of Gold in California, 76-77; Reply of Mr. Pickett, 77-82; Comments of T. O. Larkin, 82-83; The First Gold Mining in California, 83-84; Geology, Professor Whitney's Lecture, 265-270; Earthquake Waves on the Pacific, 386; Earthquakes in the Interior, 386-388; San Francisco Earthquakes, 476-478; The Results of the California State Geological Survey of 1864, 492-493 (1869)

Shurick, A. T.

14 Coal. Min Ind 22:88-124, California 97 (1914)... 23:100-138, California 112 (1915)... 24:87-126, California 99 (1916)... 25:106-149, California 121 (1917)

Siebenthal, Claude Ellsworth (1869-1930).

08 Lead. U S G S, Min Res, Calendar Year 1907:645-658, California 646-647, 651

Siebenthal, Claude Ellsworth—Cont.

(1908)... 1908:227-243, California 229-230, 233 (1909)... 1909:181-201, California 184-185, 189 (1911)... 1910:221-259, California 226, 230, 232, 234 (1911)... 1911:315-351, California 320, 325, 328, 332 (1912)... 1912: 335-372, California 340, 345, 349, 352 (1913)... 1913:709-745, California 710, 713, 718, 722, 725 (1914)... 1914:799-827, California 804, 810 (1916)... 1915:187-205, California 189 (1917)... 1916:837-854, California 840, 845 (1919)... 1917:881-897, California 883, 888 (1920)... 1918:937-971, California 941, 946, 948 (1921)

08a Zinc. U S G S, Min Res, Calendar Year 1907:659-676, California 661, 663 (1908)... 1908:245-273, California 247, 250 (1909)... 1909:203-220, California 205, 208 (1911)... 1910:261-304, California 264, 269 (1911)... 1911:353-398, California 355, 363, 365 (1912)... 1912:373-416, California 376, 383, 386 (1913)... 1913:621-667, California 623, 629, 632, 635-636 (1914)... 1914:867-919, California 869, 877 (1916)... 1915:851-977, California 859, 861, 920-922 (1917)... 1916: 809-832, California 814-816 (1919)... 1917: 855-879, California 862-863 (1920)... 1918: 1027-1074, California 1035-1036 (1921)

16 Lead and zinc resources of the United States. M World 44:355-357 (1916)

16a Lead and zinc resources of the United States. Pan Am Sc Cong, 2d, Washington, Pr sec 7, 8:947-954 (1917)

22 Cadmium. U S G S, Min Res, Calendar Year 1919:1-8, California 1 (1922)

22a (and **Stoll**, A.) Cadmium. U S G S, Min Res, Calendar Year 1920:1-6, California 2 (1922)... 1921:1-5, California 2 (1924)

22b (and **Stoll**, A.) Lead. U S G S, Min Res, Calendar Year 1919:313-330, California 316-321 (1922)... 1920:85-95, California 87, 89 (1922)... 1921:35-43, California 36 (1924)... 1922:27-36, California 28, 30 (1925)... 1924:149-164, California 150, 153 (1927)

22c (and **Stoll**, A.) Zinc. U S G S, Min Res, Calendar Year 1920:221-237, California 226 (1922)... 1922:37-52, California 42 (1925)... U S B M, Min Res, 1924:235-254, California 241 (1927)

Sievers, E. G.

21 Natural gas. U S G S, Min Res, Calendar Year 1918:1393-1401, California 1393, 1396, 1398, 1400-1401 (1921)

21a Natural gas gasoline. U S G S, Min Res, Calendar Year 1918:1403-1437, California 1404, 1407, 1408-1415 (1921)... 1919:519-534, California 519-521, 523-524 (1922)... 1920:289-300, California 290-292, 296 (1923)... 1921:237-252, California 237, 239-240, 242-243, 246 (1924)

24 (and **McBride**, R. S.) Natural gas. U S G S, Min Res, Calendar Year 1921: 335-369, California 342-343, 345, 347-349, 352-353, 356, 360 (1924)

Silliman, Benjamin, Jr. (1816-1885).

64 Notes on the New Almaden quicksilver mines. Am J Sc (2) 38:190-194 (1864)

65 A description of the recently discovered petroleum region in California with a report on the same by Professor Silliman. 25 pp, New York (1865)

65a Examination of petroleum from California. (Analysis.) Am J Sc (2) 39: 341-343 (1865)

65b Petroleum in California. Am J Sc (2) 39:101 (1865) National Intelligence (February 7, 1866)

65c On the deep placers of the south and middle Yuba, Nevada Co., Cal... Am J Sc (2) 40:1-19 (1865)

65d Report upon the oil property of the Philadelphia and California Company ... situated in Santa Barbara and Los Angeles counties, Cal. 36 pp, maps, Phila (1865)

67 Extract of a report on the quicksilver mines in California. *In* Mineral resources of the States and Territories west of the Mississippi by Browne and Taylor. 170-178 (1867)

67a On naptha and illuminating oil from heavy California tar (Maltha). Am J Sc (2) 43:242-246 (1867)

67b Note on the California diamond. Am J Sc (2) 44:119 (1867)

67c Notes on the Grass Valley gold-mining district, Cal. Am J Sc (2) 44:236-244 (1867)

67d Notice of the pecuilar mode of the occurrence of gold and silver in the foothills of the Sierra Nevada, and especially at Whiskey Hill, in Placer Co., and Quail Hill, in Calaveras Co., Cal. Cal Ac N Sc, Pr 3:349-351 (1867) Am J Sc (2) 45:92-95 (1869)

67e Notice of new localities of diamonds in California. Cal Ac N Sc, Pr 3:354-355 (1867)

67f Notes on the quartz mines of the Grass Valley district, Eng M J 4:9 (1867)

68 On the existence of the mastodon in the deep-lying gold placers of California. Am J Sc (2) 45:378-381 (1868)

68a Note on three new localities of tellurium minerals in California and on some mineralogical features of the Mother vein. Cal Ac N Sc, Pr 3:378-382 (1868)

68b On the occurrence of glauberite at Borax Lake, Cal. Cal Ac N Sc, Pr 3:399 (1868)

73 On the probable existence of microscopic diamonds with zircons and topaz, in the sands of hydraulic washings in California. Am I M Eng, Tr 1:371-373

Silliman, Benjamin, Jr.—Cont.

(1873) (*abst*) Am J Sc (3) 5:384-385 (1873)... 6:133 (1873) Eng M J 15:184 (1873) G Rec 1874:251 (1875)

73a On the meteoric iron found near Shingle Springs, El Dorado Co., Cal. Am J Sc (3) 6:18-22 (1873)

73b Mineralogical notes on Utah, California and Nevada, with a description of priceite, a new borate of lime. Am J Sc (3) 6:126-133 (1873); enargite, 126-127; bismuthinite, 127-128; wulfenite, orpiment, and realgar, 128; priceite, 128-130; ulexite, 130; borax, 130-131; chrysocolla 131; compact anglesite, 131-132; platinum and iridosmine, 132; diamonds in California, 133. Eng M J 16:82, 98-99 (1873)

Simkins, William A.

93 The Alleghany District of California. Pacific Mining News of Eng M J 2, no 10: 288-291, 4 figs (October, 1893) (*abst*) Eng Index 1923:336 (1924)

Simmersbach, B.

04 Die neueren Petroleumvorkommen in Californien. Zs Berg-, Hütten- u Salinen-Wesen 52 Abh:245-264, figs (1904)

Simonin, L.

60 Observations sur les gisements aurifères de la Californie. Ac Sc Paris, C R. 50:389-392 (1860)

75 Les mines d'or et d'argent aux Etas Unis. Rv des deux mondes 45 annee (troisieme period): 285-314 (1875)

Sinclair, C. H.

01 The oblique boundary line between California and Nevada. U S Coast S, Rp 1900:255-488, maps, pls, figs (1901)

Sinclair, William John.

03 A new tortoise from the auriferous gravels of California. Cal Univ, Dp G, B 3:243-248, il (1903) (*abst*) G Zentralbl 5:377 (1904)

03a The Potter Creek Quaternary bone cave. (*abst*) J G 11:96-97 (1903)

03b A preliminary account of the exploration of the Potter Creek cave, Shasta Co., Cal. Science (n s) 17:708-712 (1903)

03c (and **Merriam**, J. C.) The correlation of the John Day and the Mascall. (*abst*) J G 11:95-96 (1903) (*abst*) G Zentralbl 9:353 (1907)

04 (and **Furlong**, E. L.) *Euceratherium*, a new ungulate from the Quaternary caves of California. Cal Univ, Dp G, B 3:411-418, il (1904) (*abst*) G Zentralbl 7:426 (1906) N Jb Ref 1905, pt II:469-470 (1905) G Mag (5) 1:465 (1904)

04a The exploration of the Potter Creek cave, Cal. (geology and Quaternary vertebrates). Cal Univ, Pub Am Archaeology and Ethnology 2:1-27 (1904) (*abst*) Nature 71:472 (1905)

05 New mammalia from the Quaternary caves of California. Cal Univ, Dp G, B 4:145-161, il (1905) (*abst*) G Zentralbl 8:372 (1906)

07 (and **Merriam**, John Campbell) Tertiary faunas of the John Day region. Cal Univ, Dp G, B 5:171-205 (1907) (*abst*) G Zentralbl 11:419 (1908)

08 Recent investigation bearing on the question of the occurrence of Neocene man in the auriferous gravels of the Sierra Nevada. Cal Univ, Pub, Am Archaeology and Ethnology 7:107-131 (1808)

10 Dermal bones of *Paramylodon* from the asphaltum deposits of Rancho La Brea, near Los Angeles, Cal. Am Ph Soc, Pr 49:191-195, il (1910)

Skeats, E. M.

23 Geological survey of San Diego and Imperial counties. Oil Age 20:11 (September, 1923)

Skerrett, R. G.

28 Mohave Desert a source of potash. Compressed Air Mag 33:2427-2433 (1928) (*ann*) An Bib Ec G 1:127 (1928)

Skidmore, W. A.

70 California mines. *In* R. W. Raymond, Second Report on Mineral Resources of the States and Territories west of the Mississippi, 1870:13-87 (1870)

72 Chapter on California mines. *In* R. W. Raymond, Third Report on Mineral Resources of the States and Territories west of the Mississippi. 1870:11-92 (1872)

72a Deep placer mining in California. *In* R. W. Raymond, Third Report on Mineral Resources of the States and Territories west of the Mississippi. 1870: 52-90 (1872)

73 Chapter on California. *In* R. W. Raymond, Fourth Report on Mineral Resources of the States and Territories west of the Mississippi. 1871:13-140 (1873)

73a Quicksilver mining; progress in Napa, Lake and Sonoma counties, Cal. M Sc Press 27:152 (1873)

73b Chapter on California. *In* R. W. Raymond Fifth Report on Mineral Resources of the States and Territories west of the Mississippi. 1872:7-107 (1873)

74 Chapter on California. *In* R. W. Raymond, Sixth Report on Mineral Resources of the States and Territories west of the Mississippi. 1873:13-154 (1874)

75 Chapter on California. *In* R. W. Raymond, Seventh Report on Mineral Resources of the States and Territories west of the Mississippi. 1874:11-194 (1875)

Skidmore, W. A.—Cont.

77 Chapter on California. *In* R. W. Raymond, Eighth Report on Mineral Resources of the States and Territories west of the Mississippi. 1875:3-131 (1877)

81 (and **Yale**, C. G.) Production of gold and silver in California. *In* H. C. Burchard, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1880: 11-90 (1881)

84 The condition of the mining industry of California in 1883, with reference to the production of the precious metals. *In* H. C. Burchard, Report of the U S Director of the Mint upon the production of the precious metals during the Calendar Year 1883:705-731 (1884) Eng M J 38:393-396 (1884)

Slichter, Charles S.

05 Field measurements of the rate of movement of underground waters. U S G S, W-S P 140:122 pp (1905)

05a Measurement of the underflow at the narrows of the Mohave River, near Victorville, Cal. *In* Field measurements of the rate of movements of underground waters. U S G S, W-S P 140:55-64 (1905)

Smith, Alfred.

21 (with **Watson**, E. B., **Lapham**, Macy H.) Soil survey of the Santa Maria area, Cal. U S Dp Agr, Bur Soils, Rp 18:2531-2574, pls 72-75, map 61 (1921)

23 (with **Wank**, M. E., and **Watson**, E. B.) Soil survey of the Shasta Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1919:99-152, pls 7-10, fig 4, 1 map (1923)

23a (with **Carpenter**, E. J., **Dean**, Walter C., **Cosby**, S. W., **Kocher**, A. E., and **Wank**, M. E.) Soil survey of the Brawley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1920:641-716, 5 pls, 1 fig, 2 maps (1923)

25 (with **Watson**, E. B., and **Cosby**, Stanley W.) Soil survey of the Eureka area, California. (advance sheets) U S Dp Agr, Bur Soils, 1921:851-881, pl 29, fig 30, 1 map (1925)

Smith, F. M.

21 (and **Thoms**, C. C.) Notes on Elk Hills oil field. Cal St M Bur, Summary of Operations, California Oil Fields. An Rp 7, no 1:7-19 (July, 1921)

Smith, George E. P.

30 Harnessing of the Colorado River. Pan Am G 54:31-64 (1930)

Smith, George Otis.

02 The coal fields of the Pacific coast. U S G S, An Rp 22, pt 3:473-513, pls 31-34, figs 37-54, California 498-504 (1902)

06 Asbestos. U S G S, Min Res, Calendar Year 1905:1155-1159, California 1155, 1157 (1906)

07 Twenty-eighth annual report of the Director of the United States Geological Survey to the Secretary of the Interior for the Fiscal Year ended June 30, 1907: 80 pp, map (1907) Twenty-ninth...1908: 99 pp, maps (1908) Thirtieth...1909:128 pp, maps (1909) Thirty-first......1910:131 pp, maps (1910) Thirty-second... 1911: 151 pp, maps (1911) Thirty-third...1912: 175 pp, maps (1912) Thirty-fourth...1913: 183 pp, maps (1913) Thirty-fifth...1914: 163 pp, maps (1914) Thirty-sixth...1915: 186 pp, maps (1915) Thirty-seventh... 1916:185 pp, maps (1916) Thirty-eighth... 1917:176 pp, maps (1917) Thirty-ninth... 1918:163 pp, maps (1918) Fortieth...1919: 200 pp, 2 pls (1919) Forty-first...1920:180 pp, 3 pls (1920) Forty-second...1921:108 pp, 1 pl (1921) Forty-third...1922:ii, 80 pp, 1 pl (1922) Forty-fourth...1923:ii, 89 pp, 1 pl (1923) Forty-fifth...1924:ii, 83 pp, 1 pl (1924) Forty-sixth...1925:ii, 91 pp, 1 pl (1925) Forty-seventh...1926:ii, 96 pp (1926) Forty-eighth...1927:ii, 77 pp (1927) Forty-ninth...1928:78 pp (1928) Fiftieth...1929:87 pp (1929) Fifty-first... 1930:91 pp, 1 pl (1930)

Smith, Howard D.

13 Progress in the Cat Canyon oil field (Santa Barbara Co., Cal.). Western Eng 3:264-266 (1913)

Smith, James Hervey.

00 The Eocene of North America, west of the 100th meridian (Greenwich). J G 8:444-471, map (1900)

Smith, J. L.

74 Curious association of garnet, idocrase and datolite. Am J Sc (3) 8:434-436 (1874)

Smith, James Perrin (1864-1931).

94 The Arkansas Coal Measures in their relation to the Pacific Carboniferous province. J G 2:187-204 (1894)

94a The metamorphic series of Shasta Co., Cal. J G 2:588-612 (1894)

94b Age of the auriferous slates of the Sierra Nevada. G Soc Am, B 5:243-258 (1894) (*abst*) Am G 13:215 (1894) (*abst*) Petermann's Mitt 1896 (Beil zum 42):59 (1896)

94c Trias and Jura of Shasta Co., Cal. (*abst*) Am G 14:200 (1894)

Smith, James Perrin—Cont.

94d The Carboniferous strata of Shasta Co., Cal. (*abst*) Am G 14:203 (1894) Am As, Pr 43:247 (1895)

95 Geologic study of migration of marine invertebrates. J G 3:481-495 (1895)

95a Mesozoic changes in the faunal geography of California. J G 3:369-384 (1895) (*abst*) Petermann's Mitt 1895 (Beil zum 41):177-178 (1895)

95b Supplementary notes on the metamorphic series of the Shasta region of California. (*abst*) Am As, Pr 44:137-138 (1896) Am G 16:249 (1895) Science (n s) 2:401 (1895) Am J Sc (3) 50:346 (1895)

96 Classification of marine Trias. J G 4:385-398 (1896)

98 The development of *Lytoceras* and *Phylloceras.* Cal Ac Sc, Pr (3) G 1:129-160, il (1898)

98a Geographic relations of the Trias of California. J G 6:776-786 (1898) N Jb, 1901, Band 1, Ref: 276-277 (1901)

99 Larval stages of *Schloenbachia.* J Morph 16:1-32 (1899)

00 Principles of paleontologic correlation. J G 8:673-697 (1900) (*abst*) Am As, Pr 49:193 (1900) Science (n s) 12:995-996 (1900)

00a The development and phylogeny of *Placenticeras.* Cal Ac Sc, Pr (3) G 1:181-240, il (1900)

01 The border line between Paleozoic and Mesozoic in western America. J G 9:512-521 (1901)

01a The larval coil of *Baculites.* Am Nat 35:39-49 (1901)

02 Ueber Pelecypoden-Zonen in der Trias Nord-Amerikas. Centralbl Miner 1902:689-695 (*abst*) G Zentralbl 3:505-506 (1903)

04 Periodic migration between the Asiatic and American coasts of the Pacific Ocean. Am J Sc (4) 17:217-233 (1904)

04a The comparative stratigraphy of the marine Trias of western America. Cal Ac Sc, Pr (3) G 1:323-430, il (1904)

05 (and **Hyatt, A.**) The Triassic cephalopod genera of America. U S G S, P P 40:394 pp, il (1905) (Noticed) Nature 75:184 (1906) (*abst*) N Jb 1906, Band 2, Ref: 298-307 (1906)

06 The paragenesis of the minerals in the glaucophane-bearing rocks of California. Am Ph Soc, Pr 45:183-242 (1906)

07 The stratigraphy of the western American Trias. Festschrift, Adolf v Koenen: 377-434, Stuttgart (1907)

09 Salient events in the geologic history of California. Science (n s) 30:346-350 (1909) (*abst*) G Zentralbl 14:317 (1910)

10 The geologic record of California. J G 18:216-227 (1910) Extract, Cal St M Bur, B 69: map, folio (1915) (*abst*) G Zentralbl 15:699-700 (1911)

Smith, James Perrin—Cont.

10a Ancient climates of the west coast. Pop Sc Mo 76:478-486 (1910)

12 On the distribution of Lower Triassic faunas. J G 20:13-20 (1912)

12a The occurrence of coral reefs in the Triassic of North America. Am J Sc (4) 33:92-96 (1912) G Zentralbl 18:347 (1912)

12b Geologic range of Miocene invertebrate fossils of California. Cal Ac Sc, Pr 3:161-182 (1912)

12c Ancient portals of the earth. Pop Sc Mo 80:393-399 (1912)

14 The middle Triassic marine invertebrate faunas of North America. U S G S, P P 83:254 pp, il (1914) (*abst*) G Zentralbl 21:457 (1915)

14a Acceleration of development in fossil Cephalopoda. Leland Stanford Junior University, Publications, University Series: 30 pp (1914)

15 (and **others**) Relations of the invertebrate faunas of the American Triassic to those of Asia and Europe (discussion). G Soc Am, B 26:412-413 (1915)

15a Outline of the geology of California. *In* Z. S. Eldredge's History of California 5:3-35 (1915)

16 The geologic formations of California, with reconnaissance geologic map. Cal St M Bur, B 72:47 pp (1916) G Zentralbl 27:395 (1922) (*abst*) Eng Index 1917: 281 (1918)

16a Geologic map of the State of California issued by State Mining Bureau, 1916: scale 1 inch—12 miles. Reprinted 1929

16b Climatic zones in the Pliocene of the Pacific coast. (*abst*) G Soc Am, B 27:172 (1916)

18 Tropitidae of the upper Triassic of California. (*abst*) G Soc Am, B 29:162 (1918)

19 Climatic relations of the Tertiary and Quaternary faunas of the California region. Cal Ac Sc, Pr (4) 9:123-173, 1 pl (1919)

27 Upper Triassic marine invertebrate faunas of North America. U S G S, P P 141:262 pp, 121 pls (1927) (*abst*) Rv Geol et Sci conn 9:367 (1928)

Smith, Lewis A.

29 Chromite. U S B M, Min Res, Calendar Year 1928. 69-88 California 70-71 (1929)

29a (and the Common Metals Division) Summarized data of lead production. U S B M, Ec P 5:i-vi, 44 pp, 33 tables, figs. California 16-18 (1929)

29b Manganese and manganiferous ores. U S B M, Min Res, Calendar Year 1928: 205-259, California 213 (1929)

Smith, Philip S.

13 The fineness of gold in the Fairbanks district, Alaska. Ec G 8:449-454 (Comparison with California gold) 454 (1913)

19 Sulphur and pyrite. U S G S, Min Res, Calendar Year 1916:403-431, California 421-422 (1919)... 1917:24-56, California 26-27, 31-32 (1920)... 1918:·371-377, California 371-372 (1921)... 1919:535-546, California 536, 541 (1922)... 1920:301-308, California 305 (1922)

Smith, Warren Du Pre.

16 Notes on radiolarian cherts in Oregon. Am J Sc (4) 42:299-300 (1916) (*abst*) Rv Geol et Sci conn 1:221 (1920)

Smith, William Allen.

93 Cement. Min Ind 1:49-56, California 54 (1893)

Smith, William Sidney Tangier.

97 A note on the migration of divides. J G, 5:809-812 (1897)

97a Review of "The submerged valleys of the coast of California, U S A and of Lower California, Mexico," by George Davidson. J G 5:533-534 (1897)

97b The geology of Santa Catalina Island. Cal Ac Sc, Pr (3) G 1:1-71, map (1897) Petermann's Mitt 1897 (Beil zum 43):121 (1897)

98 A geological sketch of San Clemente Island (Cal.). U S G S, An Rp 18, pt 2:459-496 (1898) (*abst*) Nature 60:182 (1899)

99 Some aspects of erosion in relation to the theory of the peneplain. Cal Univ, Dp G, B 2:155-178 (1899)

00 A topographic study of the islands of southern California. Cal Univ, Dp G, B 2:179-230, map (1900) (*abst*) Science (n s) 11:221 (1900) Am Geog Soc, B 33: 62-63 (1901) (*abst*) G Zentralbl 1:243 (1901) N Jb 1902, Band 2, Ref: 215 (1902) (*abst*) Petermann's Mitt 1902 (Beil zum 48):68 (1902)

02 The submarine valleys of the California coast. Science (n s) 15:670-672 (1902)

Snow, F. J.

02 (**Hilgard,** E. W., and **Shaw,** G. W.) Lands of the Colorado delta in the Salton Basin, California. Agr Exp Sta Berkeley, Cal. B 140:51 pp, 1 pl, 5 figs (1902) (review) U S, Dp Agr, Office Exp Sta, Rec 13:1025-1026 (1902)

Snowden, James R.

54 Mining districts of California. M Mag 3:302-303 (1854)

Solomons, Theodore S.

96 Unexplored regions of the High Sierra: (1) the sources of the San Joaquin. Overland Monthly 27:477-487 (May, 1896)

96a Unexplored regions of the High Sierra: (2) the sources of the Kings River. Overland Monthly 27:636-643 (June, 1896)

96b Unexplored regions of the High Sierra: (3) lakes, falls, and meadows. Overland Monthly 28:135-146 (August, 1896)

96c Unexplored regions of the High Sierra: (4) gorges and canons of the head streams. Overland Monthly 28:509-517 (November, 1896)

97 Unexplored regions of the High Sierra: (5) some new Yosemites. Overland Monthly 29:68-76 (January, 1897)

97a Unexplored regions of the High Sierra: (6) Tehipite Valley. Overland Monthly 30:130-141 (August, 1897)

Somers, George B.

29 Anomalies of vertical intensity compared with regional geology for the State of California. Col Sch Mines, Mag 19 (9): 23-30 (September) (10):20, 41 (October, 1929) (*ann*) An Bib Ec G 2:505 (1929)

30 Anomalies of vertical intensity. Col Sch Mines, Mag 20:9-12, 25-26 (August, 1930)

30a Anomalies of vertical intensity. Col Sch Mines, Mag 20:15-18, 45 (September, 1930)

30b Anomalies of vertical intensity. Col Sch Mines, Mag 20:19-23 (October, 1930)

Sonderegger, A. L.

29 Sources of water supply in southern California. Water Works and Sewerage 76:527-531 (December 1929) Also published under title of "Source of local water supply," in Mo Weather Rv 57:369-374 (September 1929) (*ann*) An Bib Ec G 2:461 (1929)

29a Water supply from rainfall on valley floors. Am Soc Civil Eng, Pr 55:1140-1165 (May 1929) (*ann*) An Bib Ec G 2:461 (1929)

Sonnenschein, F.

54 Ueber das Vorkommen des natürlichen Goldamalgams in Californian. Zs der geolg, Gesellsch 6:243 (1854) (*abst*) N Jb 1854:816-817 (1854)

Soper, E. K.

29 Historic geology relating to the absorptive sedimentary formations and geology of the lower canyon of the Santa Ana River. State of California, Dp Pub Works, Division of Engineering and Irrigation, B 19:241-267, 1 map (1929)

Southall, James Cocke.

82 Pliocene man in America (with discussion by J. W. Dawson and others). Victoria Inst, Tr 15:191-220 (1882)

Sovereign, L. Douglas.

05 Gems and rare minerals of southern California. S Cal Ac Sc, B 4:85-90 (1905) (*abst*) G Zentralbl 10:445 (1908)

05a Valuable crystals and rare minerals of San Diego Co., Cal. M World 23:521-522 (1905)

Soyster, M. H.

22 (and **Van Couvering,** M.) Notes on Long Beach oil field, Los Angeles County. Cal St M Bur, Mo Chapter of State Oil and Gas Supervisor, An Rp 7:5-22 (April, 1922) Eng M J-Press (Pacific M News), 1:131-133 (September, 1922)

Spears, John R.

92 Illustrated sketches of Death Valley and other borax deserts of the Pacific Coast. 226 pp (1892)

Spence, H. S.

29 Mica. Can, Dp Mines, Mines Br, Rp 701:142 pp, California, lepidolite 22 (1929)

Spencer, Arthur Coe.

05 The magmatic origin of vein-forming waters in southeastern Alaska. Am I M Eng, Bimonthly B 5:971-978 (1905) Tr 36:364-371 (1906)

06 (and **Arnold,** Ralph) The cause of the great earthquake. The World's Work 12:7678-7681 (1906)

Sperry, Edwin A.

12 Investigation of Feather River black sands (Cal.). M Sc Press 105:624-626 (1912)

Spinks, Charles H.

04 Magnesite and its uses. Cal J Tech, 4:68-71 (1904)

Sproull, H. S.

86 Cement. U S G S, Min Res, Calendar Year 1885:395-427, California 409 (1886)

86a Gypsum. U S G S, Min Res, Calendar Year 1885:458-464, California 463 (1886)

86b Limestone. U S G S, Min Res, Calendar Year 1885:395-427, California 412-413 (1886)

86c Marble. U S G S, Min Res, Calendar Year 1885:395-427, California 412 (1886)

Spurr, Josiah Edward.

01 Origin and structure of the Basin ranges. G Soc Am, B 12:217-270, map (1901) (*abst*) Science (n s) 13:98 (1901) (*abst*) G Zentralbl 4:333 (1903)... 5:219 (1904) (*abst*) Petermann's Mitt 1903 (Beil zum 49):138-139 (1903)

03 Descriptive geology of Nevada, south of fortieth parallel and adjacent portions of California. U S G S, B 208: 229 pp, maps (1903); 2d ed (1905) (*abst*) G Zentralbl 5:219 (1904)

03a A consideration of igneous rocks and their segregation or differentiation as related to the occurrence of ores. Am I M Eng, Tr 33:288-340 (1903)

20 (Editor) Political and commercial geology and the world's resources (562 pp, 23 figs), New York, McGraw-Hill Book Co, 1920. (California: chrome, p 119; gold, p 466; magnesite, 365; mercury, p 342; platinum, p 513)

Stabler, Herman.

16 (with **Mendenhall,** W. C., and **Dole,** R. B.) Ground water in San Joaquin Valley, Cal. U S G S, W-S P 398:310 pp, maps (1916) (*abst*) Wash Ac Sc, J 6: 502-503 (1916)

Stader, J. A.

28 (and **Stoll,** A.) Lead. U S B M, Min Res, Calendar Year 1925:195-210, California 197, 200 (1928)

Staff, Hans von.

12 Monographie der Fusulinen; Teil 3, Die Fusulinen (Schellwienien), Nordamerikas. Palaeontographica 59:157-191, il (1912)

Stalder, Walter.

15 Humboldt Co. (Cal.); notes on geology and oil possibilities. Cal St M Bur, B 69:444-454, map (1915)

18 Increasing the production of oil in California. M Sc Press 116:541-542 (1918)

22 The Ciervo anticlinal-bow oil field of Fresno Co., Cal. Eng M J-Press 113: 409-413, 6 figs (1922)

24 A section of the Monterey (Salinas) shales in Pine Canyon, Monterey Co., Cal. Am As Petroleum G, B 8, no 1:55-60, 1 fig (January-February 1924)

25 Southwestern Kern Co., Cal. Oil Bull 11:799-800 (August 1925) Oil Gas J 24:46 (September 3, 1925)

Standard Oil Bulletin.

16 The geologist's part in oil production. St Oil B 4:3-5, 12 (August, 1916)

30 Our souvenirs of the Pleistocene. St Oil B 17, no 9:3-4, Standard Oil Co. (January 1930)

30a We discover a Mastodon. St Oil B 18, no 1:12-14, Standard Oil Co. (May, 1930)

Stanton, Timothy William.

93 The faunas of the Shasta and Chico formations. G Soc Am, B 4:245-256 (1893) (*abst*) Am G 11:139-140 (1893)

94 The Cretaceous faunas of the Shasta-Chico series (*abst*) Am G 13:208 (1894)

94a (and **Diller,** J. S.) The Shasta-Chico series. G Soc Am, B 5:435-464 (1894) (*abst*) Am G 13:208 (1894) Am J Sc (3) 47:141 (1894)

94b (and **Turner,** H. W.) Notes on the geology of the coast ranges of California. Am G 14:92-98 (1894)

95 Contributions to the Cretaceous paleontology of the Pacific coast: the fauna of the Knoxville beds. U S G S, B 133: 132 pp, il (1895)

96 The faunal relations of the Eocene and upper Cretaceous on the Pacific coast. (*abst*) Am G 18:61 (1896) Science (n s) 3:822-823 (1896) U S G S, An Rp 17, pt 1:1005-1060, il (1896)

97 A comparative study of the lower Cretaceous formations and faunas of the United States. J G 5:579-624 (1897)

09 Succession and distribution of later Mesozoic invertebrate faunas in North America. J G 17:410-423 (1909)

14 Boundary between Cretaceous and Tertiary in North America as indicated by stratigraphy and invertebrate faunas. G Soc Am, B 25:341-354, California 343 (1914) (*abst*) G Zentralbl 28:371 (1922) Rv Geol et Sci conn 2:230 (1921)

15 Correlation of the Cretaceous (discussion). G Soc Am, B 26:414-415 (1915)

Stanton, W. Layton, Jr.

30 Geology of Adelaida quadrangle, California. (*abst*) Pan Am G 54:77 (1930)

30a (and **Buwalda,** John P.) Geological events in the history of the Indio Hills and Salton Basin, southern California. Science (n s) 71:104-106 (1930)

Starke, E. A.

24 Kern County "comes back." M Oil B, 10:240-241, 291-292 (March, 1924)

Stauffer, Clinton R.

30 The Devonian of California. Cal Univ, Dp G, B 19:81-118, 5 pls (1930)

Stearns, H. T.

28 Record of earthquake made by automatic recorders on wells in California. Seism Soc Am, B 18:9-15 (1928)

30 (**Robinson,** T. W. and **Taylor,** G. H.) Geology and water resources of the Mokelumne area, Cal. U S G S, W-S P 619:402 pp., maps (1930)

Stearns, Robert Edwards Carter (1827-1909).

73 Discovery of fossil teeth of an elephant on Santa Rosa Island. Cal Ac Sc, Pr 5:152 (1873)

76 Description of new fossil shells from the Tertiary of California. Ac N Sc. Phila, Pr 1875:463-464, il (1876) (*abst*) G Rec 1877:333 (1880)

79 Remarks on fossil shells from the Colorado Desert. Am Nat 13:141-154, il (1879)

97 Description of a new species of *Actaeon* from the Quaternary bluffs of Spanish Bight, San Diego, Cal. Nautilus 11:14-15 (1897)

00 The fossil shells of the Los Angeles tunnel clays. Science (n s) 12:247-250 (1900)

01 The fossil fresh-water shells of the Colorado Desert, their distribution, environment, and variation. U S Nat Mus, Pr 24:271-299, il (1901)

Stechschulte, V. C.

29 Idria earthquake of March 13, 1929. (Summary statement) Pan Am G 51:365 (1929)

Stefanini, G.

11 Sugli echini terziari dell' America del Nord. Soc G Italiana, B 30:677-714, 1 pl (1911) (*abst*) G Zentralbl 25:91 (1920)

Steiger, George.

05 (and **Clarke,** F. W.) On "californite." U S G S, B 262:72-74 (1905)

17 (and **Larsen,** Esper S.) Mineralogical notes. Griffithite, a new member of the chlorite group. Wash Ac Sc, J 7:6-12 (1917) Min Absts 1:206 (1921)

28 (and **Larsen,** Esper) Dehydration and optical studies of alunogen, nontronite, and griffithite. Am J Sc (5) 15:1-19, 3 figs (1928) Min Absts 3:451 (1928)

Stephens, Frank.

29 Notes on the marine Pleistocene deposits of San Diego County, California. San Diego Soc N H, Tr 5:245-256, 1 fig (1929)

Stephens, Thomas E.

29 Alleghany District has fabulous ore. The Nevada City Nugget, Special Mining Number 11-13 (May 10, 1929)

Sterrett, Douglas Bovard.

04 Tourmaline from San Diego Co., Cal. Am J Sc (4) 17:459-465 (1904) (*abst*) G Zentralbl 9:677 (1907)

07 Infusorial earth. U S G S, Min Res, Calendar Year 1906:1043-1058, California 1050 (1907)

Sterrett, Douglas Bovard—Cont.

07a Essonite. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1226 (1907)

07b Californite (Vesuvianite). U S G S, Min Res, Calendar Year 1906:1213-1252, California 1216 (1907)... 1907:795-842, California 802 (1908)... 1908:805-859, California 812 (1909)... 1909:739-808, California 749-751 (1911)... 1910:849-900, California 855-858 (1911)... 1911:1037-1078, California 1043-1046 (1912)

07c Gem minerals of southern California. U S G S, Min Res, Calendar Year 1906: 1239-1241 (1907)... 1907:833-838 (1908)

07d Monazite. U S G S, Min Res, Calendar Year 1906:1195-1209, California 1204 (1907)... 1907:785-794, California 790 (1908)

07e Diamonds. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1217-1219 (1907)... 1907:795-842, California 804 (1908)... 1908:805-859, California 815 (1909)... 1909:739-808, California 759-760 (1911)... 1910:849-900, California 859-860 (1911)... 1911:1037-1078, California 1047 (1912)... 1912:1023-1060, California 1040 (1913)... 1913:649-708, California 665 (1914)... 1914:307-346, California 320 (1916)

07f Precious stones. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1213 (1907)... 1907:795-842, California 795, 833-838 (1908)... 1909:739-808, California 807-808 (1911)... 1910:849-900, California 847 (1911)... 1911:1037-1078, California 1037, 1077 (1912)

07g Tourmaline. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1233 (1907)... 1907:795-842, California 826-827 (1908)... 1908:805-859, California 845 (1909)... 1909:739-808, California 778 (1911)... 1911:1037-1078. California 1065 (1912)... 1912:1079-1091, California 1054-1055 (1913)... 1913:649-708, California 688 (1914)... 1914: 307-346, California 327-328 (1916)

07h Spodumene. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1233 (1907)... 1913:649-708, California 681-682 (1914)... 1914:307-346, California 326 (1916)

07i Quartz and related minerals. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1228 (1907)... 1907:795-842, California 811-814 (1908)... 1908:805-859, California 807, 830-831, 837 (1909)... 1909: 739-808, California 776 (1911)... 1910:849-900, California 870-872, 875, 898 (1911)... 1911:1037-1078, California 1059, 1062-1063, 1074, 1075 (1912)... 1912:1023-1060, California 1050 (1913)... 1913:649-708, California 650-652, 671-676 (1916)... 1914:307-346, California 323-325 (1916)

Sterrett, Douglas Bovard—Cont.

07j Chrysoprase. U S G S, Min Res, Calendar Year 1906:1213-1252, California 1216-1217 (1907)... 1907:795-842, California 802 (1908)... 1908:805-859, California 813 (1909)... 1909:739-808, California 751-756 (1911)... 1911:1037-1078, California 1046 (1912)... 1914:307-346, California 320 (1916)

08 Garnet. U S G S, Min Res, Calendar Year 1907:795-842, California 810 (1908)... 1909:739-808 California 769 (1911)

08a Satellite (or Cat's eye). U S G S, Min Res, Calendar Year 1907:795-842, California 802 (1908)... 1908:805-859, California 839 (1909)... 1909:739-808, California 802 (1911)

08b Benitoite. U S G S, Min Res, Calendar Year 1907:795-842, California 798-799 (1908)... 1909:739-808, California 742-748 (1911)

08c Turquoise. U S G S, Min Res, Calendar Year 1907:795-842, California 827 (1908)... 1908:805-859, California 845 (1909)... 1909:739-808, California 778-781 (1911)... 1911:1037-1078, California 1065-1066, 1071-1073 (1912)... 1913:649-708, California 694-697 (1914)

08d Topaz. U S G S, Min Res, Calendar Year 1907:795-842, California 826 (1908)... 1914:307-346, California 327 (1916)

08e Kunzite. U S G S, Min Res, Calendar Year 1907:795-842, California 825 (1908)... 1912:1023-1060, California 1052 (1913)... 1914:307-346, California 342 (1916)

08f Mica. U S G S, Min Res, Calendar Year 1907:741-750, California 742-743 (1908)... 1910:915-920, California 915 (1911)... 1912:1079-1091, California 1080, 1085 (1913)... 1913:1-9, California 2 (1914)... 1914:67-77, California 68, 73 (1916)

08g Beryl. U S G S, Min Res, Calendar Year 1907:795-842, California 799 (1908)... 1909:739-808, California 748-749 (1911)... 1914:307-346, California 312-313 (1916)

09 Rhodonite. U S G S, Min Res, Calendar Year 1908:805-859, California 837 (1909)... 1909:739-808 California 776 (1911)... 1910:849-900, California 875-876 (1911)... 1911:1037-1078, California 1063-1064 (1912)

09a Lapis lazuli. U S G S, Min Res, Calendar Year 1908:805-859, California 831 (1909)... 1910:849-900, California 872 (1911)... 1913:649-708, California 674-675 (1914)

11 Natrolite. U S G S, Min Res, Calendar Year 1909:739-808, California 770 (1911)

Sterrett, Douglas Bovard—Cont.

11a Diopside. U S G S, Min Res, Calendar Year 1910:849-900, California 864 (1911)

12 Lazulite. U S G S, Min Res, Calendar Year 1911:1037-1078, California 1060 (1912)

14 Sunstone. U S G S, Min Res, Calendar Year 1913:649-708, California 670 (1914)

16 Amazon stone. U S G S, Min Res, Calendar Year 1914:307-346, California 321 (1916)

16a Peridot. U S G S, Min Res, Calendar Year 1914:307-346 California 323 (1916)

23 Mica deposits of the United States. U S G S, B 740:342 pp, 96 figs, 29 pls (incl maps), California 47-49 (1923)

Stetefeldt, C. A.

65 Vorkommen von Tellurgold und Tellursilber in Californien. Berg und hüttenm Zeitung, 24:374 (1865)

Stevens, G. C.

14 (and **McGlashan,** H. D.) Surface water supply of the United States, 1912. Part 11, Pacific coast basins in California. U S G S, W-S P 331:442 pp, 2 pls (1914)

Stevens, John B.

21 Effect of water invasion in the production of oil in the Kern River field. Cal St M Bur, Summary of Operations, California Oil Fields, 7, no 4:12-16 (October, 1921)

24 A comparative study of the San Joaquin Valley oil fields. Am As Petroleum G, B 8:29-40, 3 figs (1924) (*abst*) Eng Index 1924:490 (1925)

30 (and **Jensen,** Joseph) Reversal of normal water invasion. Oil Gas J 29:34, 107-108 (October 30, 1930) M Metal 11: 470-471 (1930)

Stevenson, John James.

75 The geological relations of the lignitic groups. Am Ph Soc, Pr 14:447-475 (1875) (California pp 453, 457)

Stevenson, Robert.

92 The persistence of ores in lodes in depth. Eng M J 55:148 (1892-93)

Stewart, George W.

29 Prehistoric rock basins in the Sierra Nevada of California. American Anthropologist 31, no 3, 11 pp (July-September 1929)

Stewart, Ralph B.

25 (and **Clark,** B. L.) Domengine horizon (middle Eocene), a newly recognized division in the Eocene of California. (*abst*) G Soc Am, B 36:227 (1925) (*abst*) G Zentralbl 34:277 (1926)

Stewart, Ralph B.—Cont.

26 Gabb's California type gastropods. Ac N Sc Phila, Pr 78:287-447, pls 20-32 (1926) G Zentralbl 39:344 (1929) 40:166-169 (1929)

30 Gabb's California Cretaceous and Tertiary type lamellibranchs. Ac N Sc Phila, Spec Pub 3:1-314, 17 pls (1930)

Stewart, Roscoe E.

26 (and **Cushman,** J. A.) A new Plectofrondicularia from the Pliocene of California. Cushman Lab Foraminiferal Research Contr 2, sec 28:39 (1926) (*abst*) G Zentralbl 36:412-413 (1928)

30 (and **Stewart,** Katherine C.) Lower Pliocene in eastern end of Puente Hills, San Bernardino County. Am As Petroleum G, B 14:1445-1450, 1 fig (1930) (*ann*) An Bibl Ec G 3:401 (1931) (*abst*) Eng Index 1930:823 (1931)

30a (and **Stewart,** Katherine C.) Post-Miocene foraminifera from the Ventura quadrangle, Ventura County. (Twelve new species and varieties from the Pliocene) J Paleo 4:60-72, 2 pls (1930)

30b (and **Stewart,** Katherine C. and **Cushman,** J. A.) Tertiary foraminifera from Humboldt Co. (A preliminary survey of the fauna.) San Diego Soc N H, Tr 6:41-94, 8 pls, 1 chart (1930) (Review) J G 38:666 (1930) G Zentralbl 43:213 (1930)

Stillman, J. M.

79 Bernardinite, a new mineral resin from San Bernardino Co., Cal. Am J Sc (3) 18:57-59 (1879)

80 Bernardinite, its nature and origin. Am J Sc (3) 20:93-94 (1880)

Stines, Norman C.

07 The geology of the Coffee Creek mining district (Cal.). M Sc Press 95:25-26 (1907)

10 Hoag district (Modoc Co.), Cal. M Sc Press 100:384-386 (1910)

12 Geology of High Grade district, California. M Investor, 66, no 12:192-193 (1912)

12a The camp of High Grade in northern California; historical facts and a description of the geology of the Hoag district in Modoc County. M Science, 65:27-29, 1 fig (1912)

Stipp, Thomas F.

26 The relation of Foraminifera to the origin of California petroleum. Cal Ac Sc, Pr (4) 15:263-268 (1926) Am As Petroleum G, B 10:697-702 (1926) (*abst*) G Zentralbl 38:419-420 (1929) Rv Geol et Sci conn 7:636 (1926)

Stirton, R. A.

29 (and **Weddle,** H. W.) The California tapir *Tapirus haysii californicus* Merriam from Santa Barbara Co., Cal. Cal Univ, Dp G, B 18:225-226, 1 fig (1929) G Zentralbl 41:117 (1930)

30 A new genus of Soricidae from the Barstow Miocene of California. Cal Univ, Dp G, B 19:217-228, 2 figs (1930)

30a (and **Matthew,** W. D.) Osteology and affinities of *Borophagus.* Cal Univ, Dp G, B 19:171-216, 14 pls, 2 figs (1930)

Stock, Chester.

13 *Nothrotherium* and *Megalonyx* from the Pleistocene of southern California. Cal Univ, Dp G, B 7:341-358 (1913) (*absts*) Sc Progress 8:637 (1913) Rv crit Paleozool J 20:41 (1916) G Zentralbl 21:238 (1915)

14 Skull and dentition of the mylodont sloths of Rancho La Brea (Cal.). Cal Univ, Dp G, B 8:319-334, il (1914) (*absts*) Rv crit Paleozool J 20:40 (1916) G Zentralbl 29:475 (1923)

14a The systematic position of the mylodont sloths from Rancho La Brea (Cal.). Science (n s) 39:761-763 (1914) (*abst*, with discussion) G Soc Am, B 25:143-144 (1914)

14b Hawver Cave; its Pleistocene fauna. (*abst*) G Soc Am, B 25:155 (1914)

15 Proceedings of the summer meeting of the Paleontological Society, held at the University of California and at Stanford University, August 3, 4, 5 and 6, 1915. G Soc Am, B 26:409-418 (1915)

16 (with **Merriam,** J. C., and **Moody,** C. L.) Fauna of the Rodeo Pleistocene. (*abst*) G Soc Am, B 27:169-170 (1916)

16a Pleistocene mammal fauna of Hawver Cave, a fissure deposit near Auburn, Cal. (*abst*) G Soc Am, B 27:169 (1916)

16b (with **Merriam,** John Campbell, and **Moody,** Clarence L.) An American Pliocene bear. Cal Univ, Dp G, B 10:87-109, 23 text figs (1916) (*abst*) G Zentralbl 29:446 (1923)

17 (with **Merriam,** J. C.) Fauna of the Pinole tuff. (*abst*) G Soc Am, B 28:230 (1917)

17a Further observations on the skull structure of mylodont sloths from Rancho La Brea. Cal Univ, Dp G, B 10:165-178, il (1917) (*abst*) G Zentralbl 29:474 (1923)

17b Minutes of the seventh annual meeting of the Pacific coast section of the Paleontological Society. G Soc Am, B 28:223-234 (1917)

17c Occurrence of *Nothrotherium* in Pleistocene cave deposits of California. (*abst*) G Soc Am, B 28:233 (1917)

17d Structure of the pes in *Mylodon harlani.* Cal Univ, Dp G, B 10:267-286, 8

Stock, Chester—Cont.

figs (1917) (*abst*) G Zentralbl 29:475 (1923) Rv Geol et Sci conn 1:415 (1920)

17e Recent studies on the skull and dentition of *Nothrotherium* from Rancho La Brea, (Cal.). Cal Univ, Dp G, B 10:137-164, il (1917) (*abst*) Rev crit Paleozool J 21:88 (1917) G Zentralbl 29:475 (1923)

18 Minutes of the eighth annual meeting of the Pacific coast section of the Paleontological Society. G Soc Am, B 29:160-166 (1918)

18a The Pleistocene fauna of Hawver Cave. Cal Univ, Dp G, B 10:461-515, il (1918) (*abst*) Rv Geol et Sci conn 4:171 (1923) G Zentralbl 29:443 (1923) (review) Rv crit Paleozool J 27:35 (1923)

20 An early Tertiary vertebrate fauna from the southern coast ranges of California. Cal Univ, Dp G, B 12:267-276, 6 figs (1920) (*abst*) G Zentralbl 29:439 (1923) Rv Geol et Sci conn 2:323 (1921)

20a A mounted skeleton of *Mylodon harlani.* Cal Univ, Dp G, B 12:425-430, il (1920) (*abst*) G Zentralbl 29:475 (1923) Rv Geol et Sci conn 2:274 (1921)

20b Minutes of the ninth annual meeting of the Pacific coast section of the Paleontological Society. G Soc Am, B 31:231-232 (1920)

21 (with **Merriam,** John C.) Notes on the peccary remains from Rancho La Brea. Cal Univ, Dp G, B 13:9-17, 10 figs (1921), (*abst*) G Zentralbl 29:446 (1923) Rv Geol et Sci conn 3:689 (1922)

21b Note on an *Hipparion* tooth from the Siestan deposits of the Berkeley Hills, California. Univ Cal, Dp G, B 13:19-21, il (1921) (*abst*) G Zentralbl 29:473 (1923)

21c (and **Merriam,** J. C.) Occurrence of Pleistocene vertebrates in an asphalt deposit near McKittrick, Cal. Science (n s) 54:566-567 (1921)

24 Mammalian forms occurring in association with marine invertebrates in western North America. Pan Pacific Sci Cong Australia, 1923, Proc 1: 880-881 (1924)

24a A recent discovery of ancient human remains in Los Angeles, Cal. Science (n s) 60:2-5 (1924) (*abst*) G Soc Am, B 36:201 (1925) G Zentralbl 34:278 (1926)

24b Vertebrate fossils of the Mint Canyon formation (Upper Miocene) and Sespe formation (Oligocene), California. U S G S, B 753:37-54 (1924)

25 Cenozoic gravigrade edentates of western North America, with special reference to the Pleistocene Megalonychinae and Mylodontidae of Rancho La Brea, Cal. Carnegie Inst, Wash, Pub 331:206 pp, 120 figs, 47 pls (1925)

25a Discovery of mammalian remains in Sespe beds near Santa Paula, Cal. (*abst*)

Stock, Chester—Cont.

Soc Am, B 36:201 (1925) G Zentralbl 34: 283 (1926)

25b (and **Merriam**, John C.) Relationships and structure of the short-faced bear, *Arctotherium*, from the Pleistocene of California. Carnegie Inst, Wash, Pub 347:1-35, 5 figs, 10 pls (1925)

25c (and **Merriam**, John C.) A llama from the Pleistocene of McKittrick, Cal. Carnegie Inst, Wash, Pub 347:37-42, 4 figs (1925)

25d (with **Merriam**, John Campbell, and **Moody**, C. L.) The Pliocene Rattlesnake formation and fauna of eastern Oregon, with notes on the geology of the Rattlesnake and Mascall deposits. Carnegie Inst, Wash, Pub 347:45-92, 45 figs (October 8, 1925)

26 (and **Furlong**, E. L.) New canid and rhinocerotid remains from the Ricardo Pliocene of the Mohave Desert, Cal. Cal Univ, Dp G, B 16:43-60, 4 pls (1926) (*abst*) G Zentralbl 35:173 (1927)

27 (and **Furlong**, E. L.) Skull and skeletal remains of a ruminant of the *Preptoceras-Euceratherium* group from the McKittrick Pleistocene, California. Cal Univ, Dp G, B 16:409-434, 4 pls (1927) (*abst*) G Zentralbl 38:252 (1928)

27a Pleistocene fauna and flora at Carpinteria, Cal. Science (n s) 66:155-156 (1927)

27b (and **Merriam**, John Campbell) A Hyaenarctid bear from the later Tertiary of the John Day Basin of Oregon. Carnegie Inst, Wash, Pub 346:6 pp, 1 pl (June, 1927)

28 Note on fossil mammals at La Brea. Am As Petroleum G, B 12:133 (1928)

28a (and **Furlong**, E. L.) The Pleistocene elephants of Santa Rosa Island. Science (n s) 68:140-141 (1928) (*abst*) G Soc Am, B 40:176 (1929) Pan Am G 49:315 (1928)

28b A peccary from the McKittrick Pleistocene. Carnegie Inst, Wash, Pub 393:23-27, 7 figs (1928)

28c Tanupolama, a new genus of llama from the Pleistocene of California. Carnegie Inst, Wash, Pub 393:29-37, 6 pls (1928)

28d Canid and proboscidean remains from the Ricardo deposits, Mohave desert. Carnegie Inst, Wash, Pub 393:39-47, 1 fig, 4 pls, California 7 (1928)

28e A tooth of *Hipparion mohavense* from the Puente formation. Carnegie Inst, Wash, Pub 393:49-53, 1 fig (1928)

29 (with **Patterson**, J. W., and **Furlong**, E. L.) Tertiary mammalian fauna from the Kern River series, California. (*abst*) G Soc Am, B 40:260 (1929) Pan Am G 49:318 (1928)

29a A census of the Pleistocene mammals of Rancho La Brea, based on the collections of the Los Angeles Museum. J Mammalogy 10:281-289, 3 figs (1929)

29b Significance of abraded and weathered mammalian remains from Rancho La Brea. S Cal Ac Sc, B 28:1-5, 2 pls (1929)

30 Rancho La Brea, a record of Pleistocene life in California. Los Angeles Museum, Pub 1:1-84, 27 ill (1930)

30a Oreodonts from the Sespe deposits of South Mountain, Ventura County, Calif. Carnegie Inst, Wash, Pub 404:27-42, 2 figs, 2 pls (1930)

Stockman, L. P.

23 Huntington Beach development work. Oil Gas J 22:24, 104-105 (June 14, 1923)

27 New field discovered in California. Oil Gas J, 26:55-56, 127-128 (October 27, 1928)

28 May drill even deeper in California. Oil Gas J 27:91 (1928) (*ann*) An Bib Ec G 1:226 (1928)

28a California expects many new fields. Oil Gas J 27:88 (1928)

28b Phenomenal growth of California fields. Oil Gas J 27, no 28:81, 84 (November 29, 1929) (*ann*) An Bib Ec G 1: 226 (1928)

30 Belridge Temblor production proved. Oil Gas J 29:52, 54, 123 (October 16, 1930)

30a New Kettleman unit development plan. Oil Gas J 29:83, 322-323 (October 2, 1930)

30b Unit agreement on Kettleman Hills. Oil Gas J 29:29 (October 23, 1930)

30c Belridge field looks more important. Oil Gas J 29:56, 58 (December 4, 1930)

30d California's largest well since 1923. Oil Gas J 29:54, 56, 125 (October 30, 1930)

30e California has great oil reserve. Oil Gas J 28:134, 237-238, 240 (March 13, 1930)

30f Submarine geology opens possibilities. Oil Gas J 28:132 (March 13, 1930)

30g Santa Fe Springs on downward trend. Oil Gas J 28:62, 64, 137-138 (Feb. 27, 1930)

30h New field probably opened at Brea. Oil Gas J 28:39, 157 (April 24, 1930)

Stoddard, Blanche H.

22 Quartz. U S G S, Min Res, Calendar Year 1919:165-180, California 178 (1922)... 1920:215-218, California 217 (1923)

22a Gems and precious stones. U S G S, Min Res, Calendar Year 1919:165-180, California 168 (1922)... 1920:215-218, California 215 (1923)... 1921:143-146, California 143 (1924)

27 Asbestos. U S B M, Min Res, Calendar Year 1924:305-309, California 305-306 (1927)... 1925:57-64, California 59 (1928)... 1926:195-201, California 197 (1929)

Stoddard, Blanche H.—Cont.

27a Talc and soapstone. U S G S, Min Res, Calendar Year 1923:161-165, California 161, 162 (1927)... U S B M, Min Res, 1925:201-211, California 201-205 (1928)... 1926:203-209, California 203-205, 207 (1929)... 1927:181-186, California 181-184 (1929)

27b (and **Prindle**, L. M.) Talc and soapstone. U S B M, Min Res, Calendar Year 1924:339-346, California 340-342 (1927)

29 (and **Bowles**, Oliver) Asbestos. U S G S, Min Res, Calendar Year 1927:229-311, California 300-301 (1929)

29a (and **Coons**, A. T.) Pebbles for grinding. U S B M, Min Res, Calendar Year 1926:245-253, California 246, 250 (1929)... 1927:91-98, California 92, 96 (1928)

29b (and **Coons**, A. T.) Diatomaceous earth. U S B M, Min Res, Calendar Year 1926:245-253, California 246, 250 (1929)... 1927:91-98, California 92, 96 (1928)

29c (and **Coons**, A. T.) Pumice. U S B M, Min Res, Calendar Year 1926:245-253, California 246, 250 (1929)... 1927:91-98, California 92, 96 (1928)

29d (and **Bowles**, Oliver) Asbestos. U S B M, Min Res, calendar year 1928:97-111, California 101, 103 (1929)

30 (and **Bowles**, O.) Talc and soapstone. U S B M, Min Res, Calendar Year 1928: 197-204, California 200 (1930)

30a (and **Santmyers**, R. M.) Barite and barium products. U S B M, Min Res, Calendar Year 1928:227-235, California 227-229 (1930)

Stoll, Amy.

22 (and **Siebenthal**, C E.) Zinc. U S G S, Min Res, Calendar Year 1920:221-237, California 226 (1922)... 1922:37-52, California 42 (1925)... U S B M, Min Res, 1924:235-254, California 241 (1927)

22a (and **Siebenthal**, C. E.) Lead. U S G S, Min Res, Calendar Year 1919:313-330, California 316, 321 (1922)... 1920:85-95, California 87, 89 (1922)... 1921:35-43, California 36 (1924)... 1922:27-36, California 28, 30 (1925)... U S B M, Min Res, 1924: 149-164, California 150, 153 (1927)... 1924: 149-164, California 150, 153 (1927)

22b (and **Siebenthal**, C. E.) Cadmium. U S G S, Min Res, Calendar Year 1920: 1-6, California 2 (1922)... 1921:1-5, California 2 (1924)

28 (and **Santmyers**, R. M.) Barite. U S B M, Min Res, Calendar year 1925:109-116, California 110, 112 (1928)... 1926:81-89, California 82, 86 (1929)

28a (and **Stader**, J. A.) Lead. U S B M, Min Res, Calendar Year 1925:195-210, California 197, 200 (1928)

28b Zinc. U S B M, Min Res, Calendar Year 1925:329-346, California 336 (1928)

Stoll, Amy—Cont.

29 (Introduction by J. A. Stader) Lead. U S B M, Min Res, Calendar Year 1926: 355-370, California 359, 362 (1929)...

29a (Introduction by J. A. Stader) Zinc. U S B M, Min Res, Calendar Year 1926: 227-247, California 236 (1929)

Stone, Ralph W.

13 Gypsum. U S G S, Min Res, Calendar Year 1912:637-649, California 637, 642, 647 (1913)... 1913:355-372, California 356, 364-365 (1914)... 1915:151-159, California 152 (1917)... 1916:255-261, California 256, 260 (1919)... 1917:85-95, California 85-86, 89 (1920)... 1918:283-298, California 285, 290 (1921)... 1919:101-113, California 101, 104-105, (1922)... 1920:55-64, California 56 (1922)

13a Sand and gravel. U S G S, Min Res, Calendar Year 1912:621-636, California 627-628 (1913)... 1913:325-337, California 330-331 (1914)... 1915: 213-225, California 218, 220, 222, 224 (1917)... 1916:327-339, California 331-332, 335, 339 (1919)... 1917: 381-396, California 389, 391, 393 (1920)... 1918:299-315, California 305, 307, 311 (1921)... 1919:151-164 California 157-158, 162 (1922)

14 (and **Sanford**, Samuel). Useful minerals of the United States. U S G S, B 585:250 pp (1914) (California pp 24-38)

15 (and others) Guidebook of the Western United States. U S G S, B 612, Part B, 244 pp (1915)

17 Gypsum products, their preparation and uses. U S B M, Tech P 155; 67 pp, California deposits 48, 52 (1917)

17a (with **Schrader**, F. C., and **Sanford**, S.) Useful minerals of the United States (a revision of Bulletin 585) U S G S, B 624:412 pp (California: 42-80) (1917)

19 Salt. U S G S, Min Res, Calendar Year 1916:213-221, California 214-217 (1919)... 1917:169-181, California 170-173 (1920)... 1918:117-134, California 119, 121-122 (1921)... 1920:17-25 California 18-20 (1922)

20 (and **Yale**, C. G.) Magnesite. U S G S, Min Res, Calendar Year 1917:63-79, California 63-71 (1920)... 1918:141-158, California 143-144, 146-148, 151-152 (1921)... 1919:227-235, California 227, 230-233, 234-235 (1922)... 1920:1-16, California 1, 5-9 (1923)

20a Magnesium. U S G S, Min Res, Calendar Year 1917:147-151, California 18, 148, 151 (1920)... 1919:29-32, California 31 (1922)

Stoner, Reginald C.

13 Recent observations on the mode of accumulation of the Pleistocene bone deposits of Rancho La Brea. Cal Univ,

Stoner, Reginald C.—Cont.

Dp G, B 7:387-396, il (1913) (*abst*) G Soc Am, B 25:156 (1914)

13a (and **Kew**, W. S W.) Monterey series on the south side of Mount Diablo, Cal. (*abst*) G Soc Am, B 24:129 (1913)

Storie, R. Earl.

28 (and **Watson**, E. B.) Soil survey of Bishop area, California. U S Dp Agr, Bur Chem and Soils, Ser 1924, no 3:95 pp, 3 pls, 1 fig, 2 maps (1928)

29 (with **Watson**, E. B., **Glassey**, T. W., and **Cosby**, Stanley W.) Soil survey of the Chico area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1925, no 4:48 pp, 2 pls, 1 fig, 1 map (1929)

30 (with **Carpenter**, E. J., **Strahorn**, A. T., and **Glassey**, T. W.) Soil survey of the Oroville area, California. U S Dp Agr, Bur Chem and Soils, Ser 1926, no 4:1-63 3 pls, 1 fig, 1 map (1930)

Storms, William H. (1860-1917).

90 The mines of Calico district (San Bernardino Co.) Cal. Eng M J 49:382-383 (1890)

92 Los Angeles, San Bernardino, San Diego counties. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:243-248, 337-369, 376-393 (1892)

92a Certain ore deposits (Daggett, San Bernardino Co., Cal.). M Sc Press 64:18 (1892)

93 Two curious formations. M Sc Press 67:353 (1893)

93a Occurrence of diamonds. M Sc Press 66:117, 118 (1893)

94 Ancient channel system of Calaveras Co, Cal. Cal St M Bur, St Mineralogist's Rp 12:482-492, maps (1894) (*abst*) G Zentralbl 10:456 (1908)

95 The wall rocks of California gold mines. Eng M J 59:172-173 (1895)

95a The great east lode of California (Mother Lode). M Sc Press 70:100 (1895)

95b Pocket mining in California. M Sc Press 70:132, 164, 228 (1895)

97 Mines of the gold belt (California). M Sc Press 75:96, 194-195 (1897)

98 Gold formations in California. M Sc Press 76:110-111 (1898) (*abst*) Eng Index 3:462 (1901)

99 Amador County's mines. *In* California mines and minerals (pub by California Miners' Association): 319-329, San Francisco, Cal. (1899)

99a Mariposa County's mineral wealth. *In* California mines and minerals (pub by California Miners' Association): 360-369, San Francisco, Cal (1899)

99b Peculiar effect of subterranean corrasion of rocks (Tuolumne Co., Cal.). M Sc Press 79:5 (1899)

Storms, William H.—Cont.

99c Some characteristic features of veins in granite in California. M Sc Press 78:428 (1899) (*abst*) Eng Index 3:462 (1901)

99d The Vanderbilt mining district, San Bernardino Co., Cal. M Sc Press 79:579-580 (1899)

99e Some characteristic mines of the California gold belt. M Sc Press 78:534, 560, 589, 613 (1899)... 79:92, 121, 174, 284 (1899)

00 The Mother Lode region of California. Cal St M Bur, B 18:154 pp Sacramento (1900)

00a The occurrence of gold. M Sc Press 80:148 (1900)

00b Mining on the California gold belt. M Sc Press 80:578, 608, 644, 670 (1900)

03 Some structural features of the California gold belt. M Sc Press 87:112, 129, 149, 165, 183, 202, 216-217 (1903) (*abst*) G Zentralbl 9:680 (1907)

04 The Mother Lode in Tuolumne Co., Cal. M Sc Press 89:189, 210-211, 237, 257, 271-272, 306-307, 326-327, 343 (1904) (*abst*) G Zentralbl 6:728 (1905)

05 Ancient gravel channels of Calaveras Co., Cal. M Sc Press 91:170-171, 192-193, map (1905) (*abst*) Eng Index 4:576 (1906)

06 Gold veins in granite in California. M Sc Press 92:348 (1906) (*abst*) Eng Index 1906:281 (1907)

06a Earthquake lines. M Sc Press 92: 289 (1906), Reprinted *in* After earthquake and fire: 87-90, San Francisco (1906)

09 Geology of the Yellow Aster mine, Kern Co., Cal. Eng M J 87:1277-1280 (1909)

09a Great gold belt in Amador Co., Cal. M World 31:263-266 (1909)

09b Consolidation of Mother Lode mines (Cal.). M Sc Press 99:597-598 (1909)

11 The Helester mines of California (Placer Co.). Eng M J 92:858 (1911)

11a The auriferous ferro-dolomites of California. Can M J 32:553-554 (1911) (*abst*) Eng Index 1911:374 (1912)

11b Gold mining in California in 1910. M Sc Press 102:32-34 (1911) (*abst*) Eng Index 1911:374 (1912)

11c Mining on the Mother Lode of Calif. M World 35:841-843 (1911) (*abst*) Eng Index 1911:374 (1912)

11d Porcupine and the Mother Lode. M Eng Mag 34:448 (1911)

12 Quicksilver production of California. M Sc Press, 104:400 (1912)

12a Mineral deposits of the Sierra Nevada, Cal. M World 36:121-122 (1912) (*abst*) Eng Index 1912:449 (1913)

12b Possibilities of the Mother Lode in depth. M Sc Press 105:459-462 (1912) (*abst*) Eng Index 1912: 387, 388 (1913)

Storms, William H.—Cont.

12c The California State Mining Bureau. M Sc Press 105:821-823 (1912)

12d The High Grade mining district (Modoc Co., Cal.). M Sc Press 105:273-275 (1912) Mines and Methods 4, no 1:22-24 (1912) (*abst*) Eng Index 1912:387 (1913)

12e Growth of the petroleum industry in Cal. M World 36:1285-1292 (1912) (*abst*) Eng Index 1912:435 (1913)

13 Geology of the Woody copper district, Cal. Eng M J 96:635 (1913)

13a The Trinity-Balaklala-Vulcan mines. Shasta Co., Cal. M Sc Press 107:408-411 (1913) (*abst*) Eng Index 1913:375 (1914)

13b Is geology a success as guide to ore deposits? M World 38:427–428 (1913)

13c Sixty years of mining in California. M World 39:213-215, 426-428, 515-517 (1913) (*abst*) Eng Index 1913:380 (1914)

14 The eruption of Mount Lassen (Cal.). M Sc Press 109:143-144 (1914)

16 New scheelite discovery (Greenhorn Mountains, Kern Co., Cal.). M Sc Press 113:768 (1916)

17 Diamonds in California. M Sc Press 114:273-275 (1917)

Stose, George W.

12 Geology of California. *On* Geologic Map of North America to accompany Willis Index to Stratigraphy of North America. U S G S, P P 71:894 pp (1912)

21 Barytes. U S G S, Calendar Year 1918:951-967, California 951, 958 (1921)... 1919:335-347, California 335, 338 (1922)... 1920:189-199, California 190, 192-193, 196 (1923)... 1921:125-134, California 125-128 (1924)... 1922:141-152, California 142-144 147 (1925)

21a Strontium. U S G S, Min Res, Calendar Year 1918:541-544, California 544 (1921)... 1919:95-98, California 95, 98 (1922)... 1920:93-95, California 95 (1923)... 1921:31-32, California 31, 32 (1924)... 1923: 23-26, California 24 (1927)

Stowell, S. H.

83 Petroleum. U S G S, Min Res, Calendar Year 1882:186-212, California 189 (1883)... 1885:130-154, California 130-131, 148-152 (1886)

Strahorn, A. T.

05 (with **Holmes**, J. G., **Jensen**, C. A., **Marean**, H. W., **Neill**, N. P., **Root**, A. S., **McLendon**, W. E., **Burgess**, J. L., and **Sweet**, A. T.) Soil survey of the Yuma area, Arizona-California. U S Dp Agr, Bur Soils, Rp 6, 1904:1025-1047, map 47 (1905)

09 (with **Lapham**, Macy H., **Sweet**, A. T., and **Holmes**, L. C.) Soil survey of the Colusa area, California. U S Dp Agr, Bur Soils, Rp 9:927-972, maps 32-33 (1909)

Strahorn, A. T.—Cont.

11 (with **Holmes**, L. C., and **Mann**, C. W.) Soil survey of the Porterville area, California. U S Dp Agr, Bur Soils, Rp 10:1295-1330, map 35 (1911)

12 (with **Westover**, H. L., **Holmes**, L. C., **Eckmann**, E. C., **Nelson**, J. W., and **Van Duyne**, Cornelius) Soil survey of the Madera area, California. U S Dp Agr, Bur Soils, Rp 12:1717-1753, 1 pl, map 43 (1912)

12a (with **Mackie**, W. W., **Holmes**, L. C., **Westover**, H. L., and **Van Duyne**, Cornelius) Soil survey of the Marysville area, California. U S Dp Agr, Bur Soils, 1909, Rp 11:1689-1740, 1 pl, map 53 (1912)

15 (with **Nelson**, J. W., **Holmes**, L. C., and **Eckmann**, E. C.) Soil survey of the Fresno area, California. U S Dp Agr, Bur Soils, Rp 14:2089-2166, pls 29-31 and pl A, map 53 (1915)

19 (with **Dunn**, J. E., **Pendleton**, R. L., **Nelson**, J. W., **Watson**, E. B., **Lapham**, M. H.) Soil survey of the Riverside area, California. U S Dp Agr, Bur Soils, Rp 17:2367-2450, pls 61-64, map 62 (1919)

21 (with **Eckmann**, E. C., **Holmes**, L. C., **Guernsey**, J. E., and **Lapham**, Macy H.) Soil survey of the Anaheim area, California. U S Dp Agr, Bur Soils, Rp 18: 2271-2345, pls 63-65, map 58 (1921)

21a (with **Nelson**, J. W., **Zinn**, C. J., **Watson**, E. B., **Dunn**, J E., and **Lapham**, Macy H.) Soil survey of the Los Angeles area. U S Dp Agr, Bur Soils, Rp 18: 2347-2420, pls 66-68, map 59 (1921)

23 (with **Dunn**, J E., **Holmes**, L. C., **Guernsey**, J. E., and **Lapham**, M. H.) Reconnaissance soil survey of the central southern area, California. U S Dp Agr, Bur Soils, Rp 19:2405-2534, pls 59-63, maps 57-58 (1923)

24 (with **Watson**, E. B., **Kocher**, A. E., **Eckmann**, E. C., **Hammon**, J. B., **Lapham**, M. H.) Soil survey of the El Centro area, California. U S Dp Agr, Bur Soils, Rp 20:1633-1687, pls 27-30, maps 43-44 (1924)

30 (with **Carpenter**, E. J., **Glassey**, T. W., and **Storie**, R. Earle.) Soil survey of the Oroville area, California. U S Dp Agr, Bur Chem and Soils, Ser 1926, no 4:1-63 pp, 3 pls, 1 fig, 1 map (1930)

Stroner, R. C.

14 Occurrence of mammalian remains at Rancho La Brea. (*abst*) G Soc Am, B 25:156 (1914)

Strong, A. M.

05 (and **Arnold**, R.) Some crystalline rocks of the San Gabriel Mountains, Cal. G Soc Am, B 16:183-204 (1905) (*abst*) Science (n s) 21:350 (1905) G Zentralbl 8:259 (1906)

Strong, A. M.—Cont.

10 Borax deposits of the United States. Am I M Eng, B 38:167-171 (1910) Tr 40: 909-913 (1910)

18 (and **Rolfe,** F.) The earthquake of April 21, 1918, in the San Jacinto Mountains (Cal.). Seism Soc Am, B 8:63-67 (1918)

Struthers, Joseph.

01 Borax. U S G S, Min Res, Calendar Year 1901:869-872, California 869-870 (1901)... 1902:891-896, California 891-894 (1904)

02 Gypsum. U S G S, Min Res, Calendar Year 1901:843-851, California 846-847 (1902)

02a Antimony. U S G S, Min Res, Calendar Year 1901:251-256, California 251 (1902)... 1902:271-277, California 271 (1904)... 1903:317-326, California 317-319 (1904)

02b Magnesite. U S G S, Min Res, Calendar Year 1901:959-960, California 959 (1902)... 1902:983-984, California 983 (1904)

02c Platinum. U S G S, Min Res, Calendar Year 1901:231-233, California 231 (1902)... 1902:239-243, California 239, 240-241 (1904)

02d Quicksilver. U S G S, Min Res, Calendar Year 1901:235-238, California 235-237 (1902)... 1902:251-258, California 251-254 (1904)

02e Salt. U S G S, Min Res, Calendar Year 1901:853-865, California 854-855 (1902)... 1902:921-932, California 922, 924 (1904)

02f The mineral industry, its statistics, technology and trade in the United States and other countries to the end of 1901, 10:920 pp (1902)... 1902, 11:912 pp (1903)

03 Asphaltum. Min Ind for 1902, 11: 52-63, California 52 (1903)

03a (and **Fisher,** Henry) Gems and precious stones. Min Ind for 1902, 11: 244-251, California 251 (1903)

03b Borax. Min Ind for 1902, 11:70-72, California 70 (1903)

03c (with **Newland,** D. H., and **Fisher,** Henry). Gold and silver. Min Ind for 1902, 11:252-295, California 252, 259-260 (1903)

03d Quicksilver. Min Ind, 11:540-542 (1903)

03e (with **Newland,** D. H., and **Fisher,** Henry) Copper. Min Ind for 1902, 11: 162-220, California 163, 165 (1903)

03f Salt. Min Ind for 1902, 11:560-562, California 560 (1903)

03g (and **Fisher,** Henry) Chromium and chrome ore in 1902. Eng M J 76:55-56 (1903)

04 Quicksilver industry in the United States and foreign countries. M World, 21:79-80 (1904)

Struthers, Joseph—Cont.

04a Asphaltum. U S G S, Min Res, Calendar Year 1902:657-664, California 657-659 (1904)...

05 Quicksilver. U S Bur Census, Spec Rp Mines and quarries, 1902:649-657 (1905)

Studley, C. K.

08 On Iron Canyon. Cal Phys Geog Club, B 1, no 3:13-17, 3 figs (1908)

Stutzer, A.

12 Amerikanisches kalisalz. Kali 6: 294-295, 432-433 (1912); 7:49-50 (1913) G Zentralbl 19:55-56 (1913)

Sudworth, George B.

00 Stanislaus and Lake Tahoe Forest Reserves, California and adjacent territory. U S G S, An Rp 21, pt 5:499-561 (1900)

Sumner, Francis B.

14 (with **Louderback,** G. D., and others) A report upon the physical conditions in San Francisco Bay ... (sedimentation, etc.). Cal Univ, Pub Zool 14, no 1:1-198 (1914)

Surr, Gordon.

08 Tungsten at Victorville. Am M Rev (Los Angeles), 24:8-9 (July 11, 1908)

10 The origin of petroleum. Los Angeles M Review, 28, no 16:17-18 (1910)

11 Note on occurrence, origin, and uses of gypsum. M World 34:1283-1284 (1911)

11a Gypsum in the Maria Mountains of California. M World 34:787-790, 891 (1911)

12 The search for the potash in western United States. M World 37:103-104 (1912)

13 Lapis lazuli in southern California. M World 39:1153-1154 (1913) (*abst*) Eng Index 1914:467 (1915)

22 Owens Lake and the California big trees. Eng M J 113:484 (1922)

Sutherland, J. C.

30 (and **Buwalda,** J. P., and **Gazin,** C. L.) Frazier Mountain, a crystalline overthrust slab, west of Tejon Pass, southern California. (*abst*) G Soc Am, B 41:146-147 (1930) Pan Am G 54:71-72 (1930)

Swank, James M.

83 Iron. U S G S, Min Res, Calendar Year 1882:108-171, California 111, 120, 125, 129, 133, 148 (1883)

Swarth, H. S.

15 Guide to the exhibit of fossil animals from Rancho La Brea. Los Angeles Mus N H, Pub 1:1-34, il (1915)

Sweeney, Stender.

30 (and **Roberts,** D. C.) Spacing of wells in the Long Beach field. Am I M Eng (Petroleum development and technology 1930):156-159 (1930)

Sweet, A. T.

05 (with **Holmes,** J. G., **Jensen,** C. A., **Marean,** H. W., **Neill,** N. P., **Root,** A. S., **McLendon,** W. E., **Burgess,** J. L., and **Strahorn,** A. T.) Soil survey of the Yuma area, Arizona-California. U S Dp Agr, Bur soils, Rp 6, 1904:1025-1047, map 47 (1905)

05a (with **Holmes,** J. G., **Marean,** H. W., **Neill,** N. P., **Root,** A. S., and **McLendon,** W. E.) Soil survey of the San Bernardino Valley, Cal. U S Dp Agr, Bur Soils, Rp 6, 1904:1115-1151, map 53 (1905)

09 (with **Lapham,** Macy H., **Strahorn,** A. T., and **Holmes,** L. C.) Soil survey of the Colusa area, California. U S Dp Agr, Bur Soils, Rp 9:927-972, maps 32-33 (1909)

11 (with **Warner,** J. F., and **Holmes,** L. C.) Soil survey of the Modesto-Turlock area, California, with a brief report on a reconnaissance soil survey of the region east of the area. U S Dp Agr, Bur Soils, Rp 10:1229-1294, map 34, 2 pls and pls A-F (1911)

11a (and **McBeth,** I. G.) Soil survey of the Klamath reclamation project, Oregon. U S Dp Agr, Bur Soils, Field Operations, 1908:1373-1414, 1 fig, 2 maps (1911)

Swigart, T. E.

28 Ultimate oil production in Ventura district increased by controlling gas output. Petroleum World 13 (10): 78 (October, 1928) (*ann*) An Bib Ec G 1:193 (1928)

28a Proration in Ventura Avenue field. Oil Gas J 27, no 22:183, 203-204 (October 18, 1928) Oil Weekly 51, no 4:46, 48, 50 (October 12, 1928) (*ann*) An Bib Ec G 1:193 (1928)

28b Methods of effecting gas conservation and increased recovery efficiency in Ventura field, Cal. Am Petroleum Inst, Dev and Prod Eng, B 202:52-85 (1928) Petroleum World 13, no 7:49 (July, 1928) (*ann*) An Bib Ec G 1:193 (1928)

30 Need of unit operation in Kettleman Hills. M Metal 11:576-578 (1930)

Swinnerton, A. C.

26 Iron bacteria. Science (n s) 63:74-76 (1926)

27 Observations on some details of wave erosion, wave furrows and shore potholes. J G 35:171-179, 6 figs (1927)

Sykes, Godfrey.

15 (and **MacDougal,** D. T.) The travertine record of Blake Sea (Cal.). Science (n s) 42:133-134 (1915) G Zentralbl 27:303 (1922)

Symons, Henry H.

28 California mineral production for 1927. Dp Nat Res, Div Mines and Mining, B 101:301 pp (September, 1928) (*ann*) An Bib Ec G 2:15 (1929)

28a Minerals and statistics. Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist Rp 24:362-365 (1928) (*ann*) An Bib Ec G 2:15 (1929)

28b Minerals and statistics. Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 24:244-248 (1928)

29 Minerals and statistics. Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 25:267-270 (1929)

29a Minerals and statistics. Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:395-398 (1929)

29b Minerals and statistics. Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:535-537 (1929)

29c Minerals and statistics. California's mineral production in 1928. Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 25:137 (1929)

29d California mineral production for 1928. Dp Nat Res, Div Mines and Mining, B 102:215 pp (September, 1929)

30 Mineral-paint materials in California. Dp Nat Res, Div Mines and Mining, Mining in California. St Mineralogist's Rp 26:148-160 (1930)

30a California mineral production for 1929. Dp Nat Res, Dv Mines and Mining, B 103:231 (1930)

Taber, Stephen.

06 Some local effects of the San Francisco earthquake. J G 14:303-315 (1906) Reprinted in Jordan, D. S., editor, The California earthquake of 1906:257-280, San Francisco (1907)

11 The importance of displaced objects in studying the character of earthquake motion in megaseismic areas. Seism Soc Am, B 1:149-158 (1911)

15 Discussion of President McAdie's address. Seism Soc Am, B 5:181-186 (1915)

19 The mechanics of vein formation. Am I M Eng, Tr 61:3-36, California 21 (1920)

20 The Inglewood earthquake in southern California, June 21, 1920. Seism Soc Am, B 10:129-145, 1 fig, 7 pls (1920)

20a The earthquake problem in southern California. Seism Soc Am, B 10:276-289 (1920)

21 The Los Angeles earthquake of July, 1920. Seism Soc Am, B 11:63-79, 1 fig (1921)

Taber, Stephen—Cont.

23 Some criteria used in recognizing active faults. G Soc Am, B 34:661-668, 1 fig (1923)

24 The Inglewood fault zone (California). Seism Soc Am, B 14:197-199 (1924)

27 Fault troughs. J G 35:577-606, 7 figs (1927)

28 Effect of earthquakes on artesian waters. Ec G 23:696-697 (1928)

Taff, Joseph Alexander.

07 Asphaltum and related bitumens. U S G S, Min Res, Calendar Year 1906: 1131-1137, California 1134-1135 (1907)... 1907:723-730, California 725-728 (1908)... 1908:707-715, California 708, 711, 713-714 (1909)

13 Eocene of the Coalinga-Cantua district, Fresno Co., Cal. (*abst*, with discussion by F. M. Anderson, A. C. Lawson, and W. Stalder). G Soc Am, B 24: 127-128 (1913)

20 Proceedings of the fifteenth summer meeting held in conjunction with the sixteenth annual meeting of the Cordilleran section, University of California and Stanford University, August 3, 4 and 5, 1915. G Soc Am, B 31:177-184 (1920)

20a Proceedings of the seventeenth annual meeting of the Cordilleran section, held at San Diego, Cal., August 10, 1916. G Soc Am, B 31:185-186 (1920)

20b Proceedings of the eighteenth annual meeting of the Cordilleran section, held at Stanford University, California, April 6 and 7, 1917. G Soc Am, B 31:187-190 (1920)

26 (and **Hanna**, G. D.) Notes on the age and correlation of the Moreno shale (California). Am As Petroleum G, B 10: 812-814 (1926)

27 (and **Hanna**, G. D.) A geologic section in the center of the San Joaquin Valley, California. Cal Ac Sc (4) 16:509-515 (1927)

30 Kettleman Hills oil field. The Record (Associated Oil Company) 11, no 1:6-9, 14 (January 1930)... 11, no 2:8-10, 15 (February 1930)... 11, no 3:12-14 (March 1930)

Taft, H. H.

05 Notes on southern Nevada and Inyo County, Cal. 2, M Sc Press 91:429 (1905)

05a Notes on southern Nevada and Inyo Co., Cal. 3, M Sc Press 91:447-448 (1905)

05b Notes on southern Nevada and Inyo Co., Cal. Am I M Eng, Bi-Mo, B 6:1279-1298 (1905) Tr 37:178-197 (1907) G Zentralbl 10:457 (1908)

06 Notes on Inyo Co., Cal. Eng M J 81:704-705 (1906)

Taft, H. H.—Cont.

07 Notes on southern Nevada and Inyo Co., Cal. Am I M Eng, Tr 37:178-197 (1907)

Tait, C. E.

17 Preliminary report on conservation control of flood water in Coachella Valley, California. Cal Dp Eng, Fifth Bienn Rp, app D: 23-27 (1917)

Takahashi, Jun-ichi R.

25 Diatom theory of origin of petroleum in California. (*abst*, with discussion by Dallas Hanna, Warren D. Smith and Robert Anderson.) G Soc Am, B 36:206-207 (1925) (*abst*) G Zentralbl 34:256 (1926)

27 Preliminary report on the origin of California petroleum. Ec G 22:133-157 (1927) (*abst*) G Zentralbl 35:487 (1927) (*abst*) Biol Absts 2:1255 (1928)

Talbott, James F.

90 The gold belt of northern California. M Sc Press 61:18, 34, 50, 68, 84, 104, 120, 153 (1890)

Taliaferro, Nicholas L.

24 Notes on the geology of Ventura Co., Cal. Am As Petroleum G, B 8:789-810, 1 pl (1924)

25 (with **Hudson**, Frank Samuel) Calcium chloride waters from certain oil fields in Ventura Co., Cal. Am As Petroleum G, B 9:1071-1088 (1925) (*abst*) Rv Geol et Sci conn 7:104 (1926)

25a The oil fields of Ventura Co., Cal. Petroleum World (Los Angeles) 10:66, 92 (February 1925)

26 (and **Hudson**, Frank Samuel) An interesting example of a survey of a deep bore hole. Am As Petroleum G, B 10:775-785, 2 figs (1926)

29 Geology of Nipomo quadrangle, California. (Summary statement) Pan Am G 51:366 (1929) (*abst*) G Soc Am 41:146 (1930)

30 Analcite diabase and related rocks in California. (*abst*) Pan Am G 54:73 (1930)

Tams, E.

25 Bruchlinien Erdbewegungen in Kalifornien. Zs Geophysik 1:187-191 (1924-1925) G Zentralbl 32:485 (1925)

Tarr, Ralph Stockman (1864-1912).

93 Extinct volcanoes in the United States. Sc Am Sup 36:14657-14658 (1893)

05 (and **Martin**, L.) Recent change of level in Alaska. Science (n s) 22:879-880 (1905) Geog J 28:30-43, figs, sketch-map (1906)

06 Earthquakes and their causes. *In* San Francisco's Great Disaster, by Sydney Tyler: 17-43, Phila (1906)

Tassart, L. C.

07 Sur la relation qui existe entre la distribution des régions pétrolifères et la reparation des zones sèismiques. Ac Sc Paris, C R. 145:490-491 (1907)

Taylor, Frank B.

28 North America and Asia: A comparison in Tertiary diastrophism. G Soc Am, B 39:985-1000 (1928)

28a Bearing of distribution of earthquakes and volcanoes on their origin. G Soc Am, B 39:1001-1016 (1928)

29 Correlation of Tertic mountain ranges in North America, Asia and Australia. (Summary statement) Pan Am G 51:78 (1929)

29a Correlation of Tertiary mountain ranges in the different continents. (*abst*) G Soc Am, B 40:83-85 (1929)... 41:431-473, 4 figs (1930)

Taylor, G. H.

30 (**Robinson**, T. W., and **Stearns**, H. T.) Geology and water resources of the Mokelumne area, Cal. U S G S, W-S P 619:402 pp, maps (1930)

Taylor, James W.

67 (and **Browne**, John Ross) Reports upon the mineral resources of the United States. (U S Treas Dp): 360 pp, Washington (1867)

67a (and **Browne**, J. R.) The copper resources of the Pacific Slope. *In* J Ross Browne and James W. Taylor Report on Mineral Resources of the States and Territories west of the Mississippi. (U S Treas Dp) Section 5:138-169, Washington (1867)

67b (and **Browne**, J. R.) Historical sketch of gold and silver mining on the Pacific Slope. *In* their mineral resources of the States and Territories west of the Mississippi. U S Treas Dp: 13-36 (1867)

67c (and **Browne**, J. R.) Quicksilver mines in California; New Almaden mines, products and exports. (This article contains a description of the New Almaden mines, with extracts of a report by Prof. B. Silliman, Jr., from the Am J Sc for September, 1864.) *In* J. Ross Browne and James W. Taylor, Report on Mineral Resources of the States and Territories west of the Mississippi. (U S Treas Dp) Section 6:170-178 (1867)

Taylor, L. H.

02 Water storage in the Truckee Basin. California-Nevada. U S G S, W-S P 68:90 pp, 8 pls (1902)

Taylor, Richard Cowling.

48 Statistics of coal... cxviii, 754 pp, map, Phila 1848 (California 496-498); 2d ed, rev by S. S. Halderman, 641 pp, Phila (1855)

Taylor, Richard Cowling—Cont.

Taylor, Walter Penn.

11 A new antelope (*Capromeryx minor*) from the Pleistocene of Rancho La Brea, Cal. Cal Univ, Dp G, B 6:191-197 (1911) (Review) Rv crit Paleozool J 16:84 (1912) (*abst*) G Zentralbl 17:38 (1911)

Teall, Ralph.

27 The Half Dome crack. Yosemite Nature Notes, 6, no 10:73 (1927)

Teeple, John E.

29 The industrial development of Searles Lake brines. Am Chem Soc, Mon: 182 pp, 60 diag New York (1929) (*abst*) Am J Sc (5) 19:237 (1930)

Templeton, E. C.

11 The central California earthquake of July 1, 1911. Seism Soc Am, B 1:167-169, map (1911)

13 General geology of the San Jose and Mount Hamilton quadrangles. (*abst*) G Soc Am, B 24:96 (1913)

Templeton, R. R.

23 (and **McCollom**, C. R.) Santa Fe Springs field, California. M Oil B 9:869, 871, 883, 885, 887, 889-891, 893, 895, 935 (October, 1923) (with discussion) Am As Petroleum G, B 8:178-194, 1 fig, 1 pl (1924) (*abst*) Eng Index 1924:491 (1925)

28 (and **Case**, J. B., **McCollom**, C. R.) Santa Fe Springs. Oil Bull 14, no 9:919-921, 1 fig (September 1928) (*abst*) Eng Index 1928:1298 (1929)

Tenney, Sanborn (1827-1877).

73 Boulders (formed *in situ*, California). Am Nat 7:636 (1873)

Teschemacher, J. E.

50 Platinum of California. Am J Sc (2) 10:121 (1850)

Texaco Star.

17 The asphalt group of fossil skeletons. 4:13-14 (March, 1917)

Thelen, Max.

17 (with **Blackwelder**, Eliot, and **Folsom**, David M.) Report of Committee on petroleum, California State Council of Defense. 191 pp, 41 pls, 34 tables (1917)

Thelen, Paul.

05 (with **Knopf**, A.) Sketch of the geology of Mineral King, Cal. Cal Univ, Dp G, B 4:227-262, map (1905) (*abst*) G Zentralbl 8:275-276 (1906)

Thom, William Taylor.

06 Value of the mineral products. U S G S, Min Res, Calendar Year 1905:42-52, California 43 (1906)... 1906:13-65, California 46 (1907)... 1907:7-49, California 37 (1928)... 1908:7-59, California 42 (1909)... 1909:5-63, California 43 (1911)... 1910:9-62, California 44 (1911)

Thomas, W. E.

08 (and others) Copper resources of California. Cal St M Bur, B 50:366 pp (1908)

Thompson, A. H.

92 Report topographic division west of the one hundredth meridian. U S G S, An Rp 13 1891-1892, pt 1:75-83 (1892)... 14 1892-1893, pt 1:175-182 (1893)... 15 1893-1894:119-129 (1895)

Thompson, David G.

21 Pleistocene lakes along Mohave River, California. (*abst*) Wash Ac Sc, J 11:423-424 (1921)

21a Routes to desert watering places in the Mohave Desert region, Cal. U S G S, W-S P 490, b: pp i-vii, 1-4, 87-269, pls 1-4, 8-18 (1921)

21b Ground water in Lanfair Valley, California. U S G S, W-S P 450:29-50, pls v-vi (1921)

29 The Mohave Desert region, California. U S G S, W-S P 578:759 pp (1929) (*ann*) An Bib Ec G 2:223 (1929) G Zentralbl 43:185 (1930) (*abst*) Truth 15, no 6:7 (May 1930) (*abst*) Eng Index 1930:824 (1931)

Thoms, C. C.

20 An occurrence of oil and gas at shallow depths in the Ventura Avenue field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 6, no 6:6-8 (December, 1920)

21 (and **Smith,** F. M.) Notes on Elk Hills oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 7, no 1:7-19 (July, 1921)

26 Production and utilization of gas from Ventura field. Cal St M Bur, Summary of Operations, Calfornia Oil Fields, An Rp 11, no 10:5-10, 2 figs (April 1926) (*abst*) Eng Index 1926:534 (1927)

29 Uniform penetration in orderly development of oil zones. Cal St Dp Nat Res, Div Mines and Mining, Summary of Operations, California Oil Fields, An Rp 14, no 9:1-20 (1929) (*abst*) Eng Index 1930:1236 (1931)

Thornbury, Delmar L.

23 California's redwood wonderland, Humboldt County (geology, chapter 7, pp 43-50). 167 pp, il, San Francisco, California (June, 1923)

Thorne, W. E.

08 El Dorado, Nevada and Placer counties. *In* The Copper Resources of California. Cal St M Bur, B 50:366 pp, 74 il (1908)

Thum, Ernest E.

19 Lead. Min Ind 27:411-439, California 414, 423-424 (1919)

Thureau, G.

79 Synopsis of a report on mining in California and Nevada, U S A. 60 pp, Melbourne (1879)

Tibbitts, J. H.

02 (with **Anderson,** F. M., **DuBois,** P. C., and **Tweedy,** G. A.) The copper resources of California. Cal St M Bur, B 23:282 pp, 69 il, 9 maps (1902)

Tickell, F. G.

24 The correlative value of the heavy minerals. Am As Petroleum G, B 8:158-168, 12 figs (1924)

Tieje, Arthur Jerrold.

24 The Pliocene and Pleistocene history of Baldwin Hills, California. M Oil B 10:1132, 2 figs (1924) Am As Petroleum G, B 10:502-512 (1926) (*abst*) G Zentralbl 38:431 (1929) Rv Geol et Sci conn 7:616 (1926)

27 Microfauna of the uppermost Pliocene or lower-most Pleistocene in the Los Angeles basin, California. (*abst*) G Soc Am, B 38:238 (1927)

29 Miocene oysters of California. (Summary statement) Pan Am G 52:158 (1929) (*abst*) G Soc Am, B 41:213 (1930)

Tilley, C. E.

28 On a custerite-bearing contact rock from California. G Mag 65:371-372 (1928) Min Absts 4:84 (1929)

Toleman, Philip.

29 Auriferous gravels of the counties. The Nevada City Nugget, Special Mining Number 19-21 (May 10, 1929)

Tolman, Cyrus Fisher, Jr.

15 Geology of the west coast of the United States. *In* Nature and Science on the Pacific Coast: 41-61, maps, San Francisco (1915) G Zentralbl 27:304 (1922)

16 (and **Rogers,** A. F.) A study of the magmatic sulfid ores. Leland Stanford Jr Univ, Pub, Univ Ser: 76 pp, 20 pls, 7 figs (1916)

17 Ore deposition and enrichment at Engels, Cal. Ec G 12:379-386 (1917)

27 Summary of progress in the microscopic study of the silicious shales. (*abst*) G Soc Am, B 38:196-197 (1927)

Tolman, Cyrus Fisher, Jr.—Cont.

27a Biogenesis of hydrocarbons by diatoms: Ec G 22:454-474, 13 figs (1927) (*abst*) Biol Absts 1:1200 (1927)

29 Owens Valley regions. (*abst*) G Soc Am, B 40:169 (1929)

Topley, William.

88 Gold and silver: their geological distribution and their probable future production. Brit As, Rp 1887:510-535 (1888)

Tovote, W.

19 The copper industry of the Southwest. M Mag 20:267-275, 339-350, 6 figs (1919)

20 Certain ore deposits of the Southwest (with discussion). Am I M Eng, Tr 61:42-59 (1920)

Townley, Sidney D.

11 (with **Davidson**, George, **McAdie**, Alexander, and **Wood**, H. O., and others) Notes on the California earthquake of July 1, 1911. Seism Soc Am, B 1:110-121 (1911)

18 The San Jacinto (California) earthquake of April 21, 1918. Seism Soc Am, B 8:45-62 (1918)

19 Earthquakes on the Pacific coast of North America. Seism Soc Am, B 9:72-85 (1919)

Trask, F. E.

05 The irrigation system of Ontario, Cal.—Its development and cost. Am Soc Civil Eng, Pr 31:264-270, pls 29-32 (1905)

05a Proposed utilization of upland flood waters to increase available underground waters. Eng News 53:42 (1905)

Trask, John Boardman (1824-1879).

53 Report on the geology of the Sierra Nevada, or California Range. 30 pp, Sacramento (1853)

53a Geology of the Sierra Nevada, or California Range. M Mag 1:6-23 (1853) Assembly Document Session 1853; and in Senate Journal 4th Session, Appendix Document no 59.

54 Mineral resources of the coast mountains. M Mag 3:459-464 (1854)

54a Mineral district of central California. M Mag 3:121-136, 239-250 (1854)

54b Report on the geology of the Coast mountains and part of the Sierra Nevada. Cal Legislature App to Journals, 5th sess, Assembly Doc no 9:95 pp (1854)

54c Exploitation de l'or en Californie. An Mines, B (5) 9:649-667 (1854)

55 Mines and mining in California. M Mag 5:193-215 (1855)

55a Report on the geology of the Coast mountains. Cal Legislature, App to Journals, 6th sess, Senate Doc No 14:95 pp, Sacramento (1855) An Mines (5) 9:649-667 (1956) (*abst*) N Jb 1858:340-341 (1858)

55b Report on the geology of the Sierra Nevada, or California Range. Pharmaceutical J and Tr 14:20-24 (1855)

55c (Description of *Ammonites batesii* from Shasta Co., and remarks on the occurrence of Carboniferous limestone.) Cal Ac N Sc, Pr 1:40 (1855; 2d ed, 1873: 39)

55d Description of fossil shells from the Tertiary deposits of Santa Barbara and San Pedro, Cal. Cal Ac N Sc, Pr 1:41-42 (April, 1855)

56 Report on the geology of northern and southern California. Cal Legislature, App to Journals, 7th sess, Senate Doc no 14:66 pp, Sacramento (1856)

56a On earthquakes in California from 1812-1855. Cal Ac N Sc, Pr 1:80-82 (1856; 2d ed. 1873:85-89) Am J Sc (2) 22:110-116 (1856)

56b Description of a new species of ammonite and baculite from the Tertiary rocks of Chico Creek (Cal.). Cal Ac N Sc, Pr 1:85-86 (1856: 2d ed, 1873:92-93)

56c Description of three new species of the genus *Plagiostoma* from the Cretaceous rocks of Los Angeles (Cal.). Cal Ac N Sc, Pr 1:86 (1856; 2d ed, 1873:93-94)

57 (On earthquakes in California in the year 1856.) Cal Ac N Sc, Pr 1:93-94 (1857); 2d ed, 1873:102-104) Am J Sc (2) 23:341-346 (1857)

57a On the direction and velocity of the earthquake in California, January 9 (1857). Cal Ac N Sc, Pr 1:98 (1857; 2d ed, 1873:109-110) Am J Sc (2) 25:146-148 (1858)

58 On earthquakes in California during the year 1857. Cal Ac N Sc, Pr 1:108-109 (1858; 2d ed, 1873:121-122) Am J Sc (2) 26:296-298 (1858)

60 Earthquakes in California during 1858 and 1859. Cal Ac N Sc, Pr 2:38-39 (1860)

63 Earthquakes in California in 1860. Cal Ac N Sc, Pr 2:90-91 (1863)

64 Earthquakes in California during the year 1863. Cal Ac N Sc, Pr 3:127-128 (1864)

64a Earthquakes in California from 1860-1864. Cal Ac N Sc. Pr 3:130-153 (1864)

66 Earthquakes in California during 1864. Cal Ac N Sc, Pr 3:190-192 (1866)

66a Earthquakes in California during 1865. Cal Ac N Sc, Pr 3:239-240 (1866)

Trask, Parker Davies.

21 A study of the fauna and stratigraphy of the Briones formation of middle California. (*abst*) G Soc Am, B 32:145-146 (1921)

22 The Briones formation of middle California. Cal Univ, Dp G, B 13:133-

Trask, Parker Davies—Cont.

174, 8 pls (1922) (*abst*) G Zentralbl 30:50 (1924) Rv Geol et Sci conn 4:372-373 (1923)

24 Unique garnet sand forming along the beach at the mouth of the Sur River, Monterey Co., Cal. (*abst*) G Soc Am, B 35:165 (1924)

25 Origin of the Santa Lucia coast range, California. (*abst*) G Soc Am, B 36:151 (1925) Pan Am G 43:149-150 (1925) (*abst*) G Zentralbl 34:251 (1924)

26 Geology of Point Sur quadrangle, California. Cal Univ, Dp G, B 16:119-186, 2 figs, 1 pl, map (1926) (*abst*) G Zentralbl 36:136-137 (1927)

26a Geomorphogeny of the northern part of the Santa Lucia Coast Range, California. Am J Sc (5) 12:293-300 (1926) (*abst*) G Zentralbl 39:505 (1929)

27 Results of distillation and other studies of the organic nature of some modern sediments. Am As Petroleum G, B 11:1221-1230 (1927) (*abst*) Rv Geol et Sci conn 9:137-138 (1928)

27a Oceanography and oil deposits. Nat Research Council, Bull 61:235-240 (1927)

28 The potential value of several recent American coastal and inland deposits as future source beds of petroleum. Am As Petroleum G, B 12:1057-1068 (1928) G Zentralbl 39:78 (1929)

30 (and **Wu**, C. C.) Free sulphur in recent sediments (*abst*) Pan Am G 53:132 (1930) G Soc Am, B 41:89-90 (1930)

30a (and **Wu**, C. C.) Analyses of oil and gas from distillation of recent sediments. Ec G 25:235-241 (1930) G Zentralbl 43:98 (1930) (*ann*) An Bib Ec G 3:135 (1931)

30b (and **Wu**, Chin Chuan) Does oil form in sediments at time of deposition? Am As Petroleum G, B 14:1451-1463 (1930) (*ann*) An Bib Ec G 3:386-387 (1931)

Trowbridge, Arthur Carleton.

11 The terrestrial deposits of Owens Valley, Cal. J G 19:706-747, map (1911) (*abst*) Science (n s) 33:564 (1911) G Zentralbl 19:594-595 (1913)

True, F. W.

12 A fossil toothed cetacean from California, representing a new genus and species. Smith's Misc Coll 60, no 11:1-7, pls (1912) (*absts*) N Jb Ref 1915, pt 1:132 (1915) Sc Progress 8:9 (1913) Rv crit Paleozool 21:56 (1917) Nature 90:418 (1912)

Truman, Ben C.

00 (and **Marais**, M.) The California oil industry. First International Petroleum Congress. Aug 16-28, 1900. Sup Pet Rev, pp 14-15 (August 25, 1900)

02 (and **Marais**, C. L. P.) Le Pétrole en Californie. Cong Intern Pétrole, I, Paris, 1900, Notes...: 57-59, Paris (1902)

Tryon, F. G.

22 Fuel briquetting. U S G S, Min Res, Calendar Year 1919:33-36, California 34, 36 (1922)... 1926:1-8, California 7 (1929)

24 (and **Hale**, Sidney A.). Coal. U S G S, Min Res, Calendar Year 1921:445-662, California 462, 472, 474, 478, 481, 527, 531, 533, 566 (1924)... 1922:439-669, California 582 (1925)

27 (and **Mann**, L.) Coal. U S G S, Min Res, Calendar Year 1923:499-746, California 502, 529, 532, 548, 594-596, 616, 620, 655 (1927)... U S B M, Min Res, 1925: 393-533, California 402, 416, 418, 465, 468, 531-532 (1928)

27a (with **Black**, James E., and **Mann**, L.) Coal. U S B M, Min Res, Calendar year 1924:459-589, California 463, 469, 471, 498, 500, 504, 506, 587 (1927)

29 (with **Kiessling**, O. E., and **Mann**, L.) Coal. U S B M, Min Res, Calendar Year 1926:419-585, California 436, 461, 492, 496-497, 535 (1929)... 1927:327-509, California 340, 341, 353, 355, 365, 366, 367, 368, 386, 387, 396, 397-401, 402, 426, 447, 452, 461 (1930)

Tucker, R. H.

25 Changes of astronomical latitude. Seism Soc Am, B 15:168-174 (1925)

26 Triangulation measurements of changes of position. Seism Soc Am, B 16:170-181 (1926) (*abst*) Geog J 69:90-91 (1927) G Zentralbl 35:285 (1927)

Tucker, W. Burling.

16 Amador, Calaveras, Tuolumne counties. Cal St M Bur, St Mineralogist's Rp 14:1-172 (1916) issued as separate under title Mines and Mineral Resources of Amador County, Calaveras County, Tuolumne County (July, 1915) G Zentralbl 27:396 (1922)

18 (and others) Manganese and chromium in California. Cal St M Bur, B 76: 248 pp, 51 figs, 5 pls (1918) (*abst*) Eng Index 1919:293 (1920)

19 El Dorado County. Cal St M Bur, St Mineralogist's Rp 15:271-308 (1919) Issued as separate under title Mines and Mineral Resources of the counties of El Dorado, Placer, Sacramento, Yuba (1916) G Zentralbl 27:396 (1922) (*abst*) Eng Index 1918:325 (1919)

19a Lassen, Modoc and Tehama counties. Cal St M Bur, St Mineralogist's Rp 15:226-238, 239-253, 258-266 (1919) issued as separate under title Mines and Mineral Resources of the counties of Butte, Lassen, Modoc, Sutter, and Tehama (1916) (*abst*) Eng Index 1918:326 (1919)

19b Tulare County. Cal St M Bur, St Mineralogist's Rp 15:900-954 (1919) issued as separate under title Mines and Mineral Resources of San Bernardino

Tucker, W. Burling—Cont.

County, Tulare County (1916) (*abst*) Eng Index 1918:325 (1919)

20 (and others) The clay industry in California. Cal St M Bur, Preliminary Rp 7:102 pp, 24 il (1920)

21 Los Angeles Field Division: Imperial, Inyo, Kern, Los Angeles, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Ventura counties. Cal St M Bur, Mining in California. St Mineralogist's Rp 17:267-272, 273-305, 306-316, 317-322, 323, 324-332, 333-374, 375-383, 384-386, 387-389, 390 (1921)

22 Economic minerals of the Avawatz Mountains. Cal St M Bur, Mining in California, St Mineralogist's Rp 18, no 3:114-117 (March, 1922) G Zentralbl 29:425 (1923)

22a Gold lodes of the East Fork mining district, Trinity County. Cal St M Bur, Mining in California, St Mineralogist's Rp 18, no 6:270-273 (June, 1922)

22b Silver lodes of the South Fork Mining district, Shasta County. Cal St M Bur, Mining in California, St Mineralogist's Rp 18, no 7:313-321, 2 figs (July, 1922)

22c Redding Field Division: Shasta, Trinity, Siskiyou, Del Norte, Modoc, Lassen, Tehama counties. Cal St M Bur, Mining in California, St. Mineralogist's Rp 18:42-43, 96-97, 256-258, 295-298, 353-355, 405-413, 493-499, 595-601, 729-736 (1922)

23 Redding Field Division: Shasta, Siskiyou, Trinity, Tehama, Lassen Counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 19:7-13, 55-59, 89-94, 135-140 (1923)

23a Limestone deposits of McCloud River, Shasta County and their possible value for cement material. Cal St M Bur, Mining in California, St Mineralogist's Rp 19:69-71, 1 fig (1923)

24 Copper resources of Shasta County. Cal St M Bur, Mining in California, St Mineralogist's Rp 20:419-447, 13 figs, 1 pl (map), (1924)

24a Los Angeles Field Division: Imperial, Inyo, Kern, Los Angeles, Orange, Riverside, San Bernardino, San Diego, Ventura counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 20: 33-50, 87-98, 185-200, 367-374 (1924)

25 Los Angeles Field Division: Orange, Ventura, San Diego, Santa Barbara counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 21:58-71, 223-245, 325-382, 539-562 (1925)

26 Los Angeles Field Division: Imperial, Inyo counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 22:94, 248-285, 365, 453-530 (1926)

26a Los Angeles Field Division: Inyo County. Cal St M Bur, Mining in California. St Mineralogist's Rp 22, no 4:453-450 (1926)

26b Los Angeles Field Division: Imperial County. Cal St M Bur, Mining in California, St Mineralogist's Rp 22, no 2:248-285 (1926)

27 Los Angeles Field Division: Santa Catalina Island, Los Angeles, Mono counties. Cal St M Bur, Mining in California, St Mineralogist's Rp 23:32-39, 213, 287-345, 374-406 (1927)

29 Los Angeles Field Division: Kern County. Cal Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 25:20-81 (January, 1929)

29a (and **Sampson, R. J.**) Los Angeles Field Division: Riverside County. Cal Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 25:468-526 (1929)

Turner, H. H.

06 The times and places of earthquakes. Pop Sc Mo 68:537-542 (1906)

Turner, Henry Ward.

91 The geology of Mount Diablo, Cal. G Soc Am, B 2:383-402, map (1891) (*abst*) Am G 8:117-118; Am Nat 25:822-823 (1891) Petermann's Mitt 1892 (Beil zum 38:115-116 (1892)

91a Mohawk lake beds (Plumas Co., Cal.). Ph Soc Wash, B 11:385-409, map (1891)

92 Glacial potholes in California. Am J Sc (3) 44:453-454 (1892)

92a The lavas of Mount Ingalls, Cal. Am J Sc (3) 44:455-459 (1892)

93 Cited on basalt. G Soc Am, B 4:267 (1893)

93a Mesozoic granite in Plumas Co., Cal., and the Calaveras formation. Am G 11: 425-426 (1893)

93b Some recent contributions to the geology of California. Am G 11:307-324 (1893)

93c The coal deposits of California. U. S G S, Min Res, 1892:308-310 (1893)

94 Geological atlas. Jackson (California), folio (no 11):1-6, 4 maps (1894)

94a Geological notes on the Sierra Nevada. Am G 13:228-249, 297-316 (1894)

94b (and **Stanton, T. W.**) Notes on the geology of the Coast Ranges of California. Am G 14:92-98 (1894)

94c Notes on the gold ores of California. Am J Sc (3) 47:467-473 (1894) Zs Prak G 4:275 (1896)

94d The rocks of the Sierra Nevada. U S G S, An Rp 14, pt 2:435-495, maps (1894) (*abst*) J G 3:985-986 (1895) Nature 53:466 (1896)

94e (and **Lindgren, W.**) Description of the gold belt (Cal.); description of the

Turner, Henry Ward—Cont.

Placerville sheet. U S G S, G Atlas Placerville fol (no 3):3 pp, maps (1894; reprint 1914) *(abst)* J G 4:248-250 (1896)

95 Gold in serpentine. Am J Sc (3) 49:478 (1895)

95a Auriferous gravels of the Sierra Nevada. Am G 15:371-379 (1895)

95b (and **Lindgren, W.**) Description of the gold belt; description of the Smartsville sheet (Cal.). U S G S, G Atlas Smartsville fol (no 18):6 pp, maps (1895)

95c (and **Lindgren, W.**) Description of the Marysville sheet (Cal.). U S G S, G Atlas Marysville fol (no 17):2 pp, maps (1895) *(abst)* J G 3:976-977 (1895)

95d Further notes on the gold ores of California. Am J Sc (3) 49:374-380 (1895) M Sc Press 70:344 (1895)

95e Description of the gold belt (Sierra Nevada, Cal.); description of the Jackson sheet. U S G S, G Atlas Jackson fol (no 11):6 pp, maps (1894; reprint 1914) In part, Description of the gold belt. Sc Am Sup 39:16197-16198 (1895) *(abst)* J G 3:969-970 (1895)

95f The age and succession of the igneous rocks of the Sierra Nevada. J G 3:385-414, map (1895) *(abst)* Petermann's Mitt 1895 (Beil zum 41):178 (1895)

96 Further contributions to the geology of the Sierra Nevada. U S G S, An Rp 17, pt 1:521-762, map (1896)

96a Further contributions to the geology of the Sierra Nevada (occurrence of cinnabar). U S G S, An Rp 17 (pt 1): 677-678 (1896) *(abst)* Petermann's Mitt 1900 (Beil zum 46): 126-127 (1900)

96b Notice of some syenite rocks from California. Am G 17:375-388 (1896)

96c Archean gneiss in the Sierra Nevada. *(abst)* Science (n s) 3:606 (1896) Am G 17:344-345 (1896)

97 Description of the gold belt; description of the Downieville quadrangle (Cal.). U S G S, G Atlas Downieville fol (no 37): 8 pp, maps (1897)

97a (and **Ransome, F. L.**) Quicksilver deposits (cinnabar). U S G S, G Atlas Sonora folio (no 41):5 (1897)

97b (and **Ransome, F. L.**) Description of Sonora quadrangle (Cal.). U S G S, G Atlas Sonora fol (no 41):5 pp, maps (1897)

97c A new amphibole-pyroxene rock and some orbicular rocks from California. *(abst)* Science (n s) 5:811 (1897)

98 Description of the gold belt; description of the Bidwell Bar quadrangle (Cal.). U S G S, G Atlas Bidwell Bar fol (no 43): 6 pp, maps (1898)

98a (and **Ransome, F. L.**) Description of the gold belt; Description of the Big Trees quadrangle (Cal.). U S G S, G Atlas Big Trees fol (no 51):8 pp, maps (1898)

Turner, Henry Ward—Cont.

98b Notes on some igneous, metamorphic and sedimentary rocks of the Coast Ranges of California. J G 6:483-499, map (1898)

98c Notes on rocks and minerals from California. Am J Sc (4) 5:421-428 (1898) *(abst)* N Jb 1900, Band 1, Ref: 31, 72-73 (1900)

98d Origin of Yosemite Valley. *(abst)* Science (n s) 7:358-359 (1898)

98e The succession of the igneous rocks of the Sierra Nevada. *(abst)* Science (n s) 7:612 (1898)

99 The granitic rocks of the Sierra Nevada. J G 7:141-162 (1899)

99a Replacement ore deposits in the Sierra Nevada. J G 7:389-400 (1899)

99b The occurrence and origin of diamonds in California. Am G 23:182-191 (1899) M Sc Press 78:586, 613 (1899) *(abst)* Zs Prak G 7:254 (1899)

99c Some rock forming biotites and amphiboles. Am J Sc (4) 7:294-298 (1899)

99d The occurrence of roscoelite in California. Am J Sc (4) 7:455-458 (1899) M Sc Press 79:93 (1899)

99e The geology of the Yosemite National Park. *(abst)* Am G 23:100-101 (1899) Science (n s) 9:106 (1899)

99f (and **Hillebrand, W F**) On roscoelite. Am J Sc (4) 7:451-454 (1899)

00 The Pleistocene geology of the south central Sierra Nevada with especial reference to the origin of Yosemite Valley. Cal Ac Sc, Pr (3) G 1:261-321 (1900) *(abst)* G Zentralbl 1:629 (1901) Am Geog Soc, B 33:61-62 (1901) (Review) Nat Geog Mag 12:86-87 (1901)

00a (Hanging valleys, Sierra Nevada). G Soc Am, B 11:591-592 (1900)

00b The nomenclature of feldspathic granolites. J G 8:105-111 (1900)

00c (On the term Sierran). *(abst)* Science (n s) 11:348 (1900)

00d The Esmeralda formation. Am G 25:168-170 (1900)

01 Geology of the Great Basin in California and Nevada. *(abst)* G Soc Am, B 12:498 (1901) J G 9:73 (1901) Am G 27:132 (1901) G Zentralbl 3:537 (1903)

02 An instance of variability of a rock magma. *(abst)* Science (n s) 15:411 (1902)

02a Notes on unusual minerals from the Pacific States. Am J Sc (4) 13:343-346 (1902). In part, M Sc Press 84:296 (1902)

02b The Greenback copper mine, Kern Co., Cal. Eng M J 74:547-548 (1902)

02c Post-Tertiary elevation of the Sierra Nevada. G Soc Am, B 13:540-541 (1903) *(abst)* Science (n s) 15:414-415 (1902) G Zentralbl 9:691-692 (1907)

Turner, Henry Ward—Cont.

03 Observations on Mother Lode gold deposits, California. (In discussion of paper of W. A. Prichard) Am I M Eng, Tr (N Y meeting, October, 1903), 2 pp

03a The Cretaceous auriferous conglomerate of the Cottonwood mining district, Siskiyou Co., Cal. Eng M J 76:653-654 (1903) (*abst*) G Zentralbl 9:681 (1907)

04 Notes on contact-metamorphic deposits in the Sierra Nevada Mountains. Am I M Eng, Tr 34:666-668 (1904) (*abst*) G Zentralbl 9:708 (1907) M Sc Press 88: 97 (1904)

04a Native copper in greenstone from the Pacific slope. Eng M J 77:276 (1904) (*abst*) G Zentralbl 9:681 (1907)

07 The ore deposits of Copperopolis, Cal. Ec G 2:797-799 (1907) (*abst*) G Zentralbl 12:18 (1909)

07a The sodium nitrate deposits of the Colorado. M Sc Press, 94:634-635, 4 figs (1907)

08 The vein system of the Standard mine, Bodie, Cal. Am I M Eng, B 22: 623-624 (1908) Tr 39:795-797 (1909) (*abst*) G Zentralbl 12:167 (1909)

09 Quicksilver in 1908. Eng M J 87:141 (1909)

09a Mining on the Mother Lode (Cal.). M Sc Press 98:40-41 (1909)

09b Quicksilver industry in the United States for 1908. Min Ind 17:742-745, California 743-744 (1909)... 1909, 18:617-619, California 617 (1910)

10 Quicksilver in the United States in 1909. Eng M J 89:82 (1910)

14 (and **Rogers, A. F.**) A geologic and microscopic study of a magmatic copper sulphide deposit in Plumas Co., Cal., and its modification by ascending secondary enrichment. Ec G 9:359-391 (1914)

14a (and **Lindgren, W.**) Reprints from Placerville, Sacramento and Jackson folios (Cal.) (nos 3, 5, and 11): 9 pp, maps, U S G S (1914)

15 Eruption of Mount Lassen and Tertiary eruptions of the Sierra Nevada. M Sc Press 110:955-956, map (1915)

21 The magmatic origin of the chalcopyrite and bornite at Engels (Plumas Co., Cal.) M Sc Press 123:333-334 (1924)

24 Origin of Wilshire gold ore (California). Eng M J 118:172 (1924)

25 Magnesite deposits and their origin. Ec G 20:197-198 (1925)

Turrentine, J. W.

13 The occurrence of potassium salts in the salines of the United States. U S Dp Agr, Bur Soils, B 94:96 pp... California 91-93 (1913)

25 Potash. Min Ind 33:591-599, California 597 (1925)... 34:579-589, California 586 (1926)... 36:477-490 (1928)

Turrill, Charles B.

76 California notes. 231 pp, Chap 9, gold mines, 129-148; Chap 10, gold mining, 149-167 San Francisco (1876)

86 Catalogue of the products of California. 190 pp (1886)

Tuthill, Franklin.

66 History of California. 644 pp, Chap 18, The discovery of gold, 226-234; Chap 41, resources of the state, 601-615 (1866)

Tweedy, G. A.

02 (with **Anderson, F. M.**, **DuBois, P. C.**, and **Tibbits, J. H.**) The copper resources of California. Cal St M Bur, B 23:282 pp, 69 il, 9 maps (1902)

02a Quicksilver mining in California. Eng M J 73:50 (1902)

Twitchell, Mayville William.

09 (and **Clark, W. B.**) The geological distribution of the Mesozoic and Cenozoic Echinodermata of the United States. (*abst*) Science (n s) 29:635 (1909) G Soc Am, B 20:686-688 (1910)

15 (and **Clark, W. B.**) The Mesozoic and Cenozoic Echinodermata of the United States. U S G S, Mon 54:341 pp, 107 pls (1915) (*abst*) G Zentralbl 28:253-255 (1922)

Tyler, Paul M.

29 Magnesium. U S B M, Min Res, Calendar Year 1928:127-153, California 128, 135 (1929)

29a Magnesite. Min Ind 37:389-399, California 391, 393 (1929)... 38:412-423, California 415-416 (1930)

29b Mercury. U S B M, Min Res, Calendar Year 1928:261-284, California 261, 268-269 (1929)

29c Graphite. U S B M, Information Circular 6122, pt 2:25 pp, California 5 (May, 1929)

Tyler, Sydney.

06 San Francisco's great disaster. 424 pp, Phila (1906) (Includes a chapter by R. S. Tarr on earthquakes and their causes.)

Tyson, Philip Thomas (1799-1877).

50 Geology and industrial resources of California (cinnabar and quicksilver). 31st congress, 1st sess, Senate Ex doc 47:24, 36-37 (1850)

50a Information in relation to the geology and topography of California. *In* Report of the Secretary of War, U S 31st cong, 1st sess, Ex Doc 47:1-74 map and Secs (1850)

51 Geology and industrial resources of California. xxxiv, 127, 37 pp, maps, Baltimore (1851) (The preceding entry, with additional matter)

U. S. Geological Survey.

07 The San Francisco earthquake and fire of April 18, 1906, and their effects on structures and structural materials. U S G S, B 324:170 pp (1907)

20 Oil prospects near San Diego, California. Press Bull, 441:3-4 (March, 1920)

20a Oil prospects in and near Imperial Valley, Cal. Press Bull 447:2-3 (June, 1920) Oil Gas J 19:62, 64 (June 11, 1920) Oil, Paint and Drug Reporter, 98, Petrol, Sec: 26-27 (July 12, 1920)

Upham, Warren.

91 A classification of mountain ranges according to their structure, origin and age. Appalachia 6:191-207 (1891) Pop Sc Mo 39:665-678 (1891) (*abst*) Am As, Pr 40:274-279 (1892); Am G 8:231 (1891)

99 Evidences of epeirogenic movements causing and terminating the ice age. G Soc Am, B 10:5-10 (1899)

07 The San Francisco and Valparaiso earthquakes and their causes. Victoria Inst, Tr 39:43-54 (1907)

Valentine, William W.

30 (and **Cushman**, Joseph A.) Shallow water foraminifera from the Channel Islands of southern California. Stanford Univ, Dp G, Contr. 1:51 pp., 10 pls (1930)

Van Couvering, Martin.

22 (and **Soyster**, M. H.) Notes on Long Beach oil field, Los Angeles County. Cal St M Bur, Mo Chapter of State Oil and Gas Supervisor, An Rp 7: 5-22 (April, 1922) Eng M J (Pacific M News) 1:131-133 (September, 1922)

23 Structure of Long Beach oil field. M Oil B 9:291-293 (April, 1923) Oil Gas J 21:115 (April 26, 1923)

25 Graphic review of California oil fields. Oil Bull 11, no 2:136-141, 213 (February, 1925) (*abst*) Eng Index 1925:525 (1926)

26 Correlation of underground conditions in California oil fields. Oil field Eng 1, no 2:24-35, 8 figs (August, 1926) (*abst*) Eng Index 1927:582 (1928)

27 Drilling for oil in Tulare Co., Cal. Oil Bull 13:1165 (November, 1927)

28 At last a field at Lawndale. Oil Bull 14, no 9:934-935, 3 figs (September 1928) (*abst*) Eng Index 1928:1297 (1929)

Vander Leck, Lawrence.

20 Report on Ventura oil field, Ventura Co., Cal. Cal St M Bur, Summary of Operations, California Oil Fields 5, no 8: 6-22 (February, 1920)

21 Petroleum resources of California with special reference to unproved areas. Cal St M Bur, B 89:186 pp, 12 figs, 12 pls (incl maps), (1921)

Vander Leck, Lawrence—Cont.

22 Correlation of the oil-bearing formations of California. Petroleum World (Los Angeles) 7:18 (April, 1922)

22a Memoranda on asphalt and bituminous sand deposits of California. Cal St M Bur, Mining in California, St Mineralogist's Rp 18:228-230 (1922) G Zentralbl 29:514 (1923)

Van Duyne, Cornelius.

12 (and **Westover**, H. L.) Soil survey of the Livermore area, California. U S Dp Agr, Bur Soils, 1910, Rp 12:1657-1716, 1 pl, map 42 (1912)

12a (with **Nelson**, J. W., **Strahorn**, A. T., **Westover**, H. L., **Holmes**, L. C., and **Eckmann**, E. C.) Soil survey of the Madera area, California. U S Dp Agr, Bur Soils, Rp 12:1717-1753, 1 pl, map 43 (1912)

12b (with **Strahorn**, A. T., **Mackie**, W. W., **Holmes**, L. C., and **Westover**, H. L.) Soil survey of the Marysville area, California. U S Dp Agr, Bur Soils, 1909, Rp 11:1689-1740, 1 pl, map 53 (1912)

Van Emon, A. G.

27 Bentonite. M Cong J 13:190 (1927)

Van Hise, Charles Richard.

98 Metamorphism of rocks and rock flowage. G Soc Am, B 9:269-328, California 308, 309 (1898)

09 (and **Leith**, C. K.) Pre-Cambrian geology of North America. U S G S, B 360:939 pp, maps (1909), (California pp 46, 867-874)

Van Horn, F. B.

11 Fuller's earth. U S G S, Min Res, Calendar Year 1909:735-738, California 738 (1911)

Van Orstrand, Charles Edwin.

26 Some evidence on the variation of temperature with geologic structure in California and Wyoming oil districts. Ec G 21:145-165, 11 figs (1926) (*abst*) G Zentralbl 34:303 (1927)

28 On the nature of isogeothermal surfaces. Am J Sc, 15:495-519 (June, 1928)

Van Winkle, Katherine E. H.

21 Illustrations and descriptions of fossil Mollusca contained in the paleontological collections at Cornell University. Bull Am Paleontology 8, no 36, 12 pp, 1 pl (March 1, 1921)

Van Winkle, Walton.

10 (and **Eaton**, F. M.) The quality of the surface waters of California. U S G S, W-S P 237:142 pp, 1 pl (1910)

Van Zwaluwenburg, A.

07 Gypsum. Min Ind 15:440-446, California 440-441 (1907)

Vaughan, Francis Edward.

22 Geology of the San Bernardino Mountains north of San Gorgonio Pass. Cal Univ, Dp G, B 13:319-411, 12 figs, 7 pls map (1922) (*abst*) G Zentralbl 30:396 (1924)

Vaughan, Thomas Wayland.

96 *Flabellum remondi* Gabb. Description of specimens from California. *In* T. W. Stanton's "The faunal relations of the Eocene and Upper Createaceous of the Pacific Coast." U S G S, 18th An Rp, pp 1036-37 (1896)

00 A new fossil species of *Caryophyllia* from California... U S Nat Mus, Pr 22:199-203, il (1900)

00a The Eocene and Lower Oligocene coral faunas of the United States, with descriptions of a few doubtfully Cretaceous species. U S G S, Mon 39:1-205, pls 1-24, California 18-19 (1900)

03 Anthozoa. *In* Arnold's Paleontology and stratigraphy of the marine Pliocene and Pleistocene of San Pedro. Cal Ac Sc, Mem 3:86-89, pl 3, figs 1-4a (1903)

04 A Californian Tertiary coral reef and its bearing on American recent coral faunas. (*abst*) Science (n s) 19:503 (1904) (*abst*) G Zentralbl 5:526 (1904)

06 A new species of Coenocyathus from California and the Brazilian astrangid corals. U S Nat Mus, Pr 30:847-850, pls 77-78 (1906)

17 The reef-coral fauna of Carriso Creek, Imperial Co., Cal., and its significance. U S G S, P P 98:355-395, il (1917) (*abst*) G Soc Am, B:28:200 (1917) Rv Geol et Sci conn 2:562-564 (1921)

17a Significance of reef-coral fauna at Carriso Creek, Imperial Co., Cal. (*abst*) Wash Ac Sc, J 7:194 (1917) G Zentralbl 27:215-216 (1922)

21 The basis of the correlation of Post-Cretaceous formations of the Pacific region. First Pan-Pacific Scientific Cong Pr, pt 3:866-873 (1921)

21a Status of geological mapping in the Pacific. Geological mapping in the western part of the United States, Central America, and the West Indies. First Pan-Pacific Sc Cong Pr, pt 3:696-705, fig 1 (1921)

22 Corals from the Eocene deposits of Peru. *In* T. O. Bosworth's Geology and Paleontology of northwest Peru. On page 125 the stratigraphic relations of *Haimesiastraea petrosa* are discussed (1922)

27 A new species of Eocene coral *Archohelia clarki*, from California. Cal Univ, Dp G, B 17:143-144, 1 pl (1927) (*abst*) G Zentralbl 39:168 (1929)

30 Sea-cliff recession at La Jolla. Fourth Rp Committee on Features and Changes of the Shoreline of the Pacific Coast. Nat Res Council, Div Geol and Geog, Rp May 3, 1930, Appendix M:2 pp (1930)

30a Investigation of geological significance at the Scripps Institution of Oceanography. (*abst*) Pan Am G 54:70 (1930)

Veatch, A. C.

04 (with **Fuller**, Myron Leslie, and **Lines**, E. F.) Record of deep well-drilling for 1904. U S G S, B 264:106 pp, California 42-43, 78-79 (1905)

Veatch, John A.

57 Notes of a visit to the "mud volcanoes" in the Colorado Desert in the month of July, 1857. Cal Ac N Sc, Pr 1:104-108 (1857) 2d ed, 1873:116-121 Am J Sc (2) 26:288-295 (1858)

67 Discovery of borax in California. *In* Mineral resources of the States and Territories west of the Mississippi by Browne and Taylor, 179-185 (1867)

Veatch, J. Allen.

14 The genesis of the mercury deposits of the Pacific coast. Am I M Eng, B 86: 209-226, 3 figs (maps), (February, 1914)

14a The mercury deposits of the Pacific coast. M World, 40:591-594, sketch map (1914)

Vélain, Ch.

09 Les tremblements de terre récents: Californie, 1906. Revue de Géog (n s) t 3:573-632 (1909)

Ver Wiebe, Walter A.

29 Tectonic classification of oil fields in the United States. Am As Petroleum G, B 13:409-439 (1929) (Discussion by Baker, Charles Lawrence and Huntley, L. G.) (*abst*) G Zentralbl 40:301 (1929)

30 Oil fields grouped into 11 provinces. Oil Gas J 28:146, 148, 151-152, 155-156, 158, 161 (Jan 23, 1930)

Vicaire, A.

05 Les gisements petroliferes de Etats Unis. Soc Ind Min, B (4) 4:681-849, 5 pls, 11 figs (1905); 7:433-488, 3 pls, 5 figs (1907)

Vickery, Frederick P.

20 The San Jose (California) earthquake. Seism Soc Am, B 10:311-315, 2 figs, 1 pl (1920)

25 The structural dynamics of the Livermore region. J G 33:608-628, 8 figs (1925) (*abst*) of Dissertations for the Degree of Doctor of Philosophy 1924-26,

Vickery, Frederick P.—Cont.

1:151-156, Stanford University Press (1927) (*abst*) G Zentralbl 33:166 (1926) Rv Geol et Sci conn 6:539 (1925)

26 Notes on geology of Goleta district, California. Oil Age 23, no 11:16-18, 1 map (November, 1926)

27 Piracy and the persistence of antecedent streams on the Los Angeles coastal belt. (*abst*) G Soc Am, B 38:207 (1927)

27a The interpretation of the physiography of Los Angeles coastal belt. Am As Petroleum G, B 11:417-424, 2 figs (1927) (*abst*) G Zentralbl 38:431 (1929) Rv Geol et Sci conn 9:184 (1928)

27b Notes on geology of Goleta District, Cal. Oil Bull 13:350 (April, 1927) (*abst*) Eng Index 1927:582 (1928)

27c (and **Garrison, R. H.**) The Goleta field. M Metal 8, no 250:428-433 (October, 1927).

28 Consequent streams. Am As Petroleum G, B 12:515-526, 5 figs (1928) (*abst*) Rv Geol et Sci conn 9:199-200 (1928) (*ann*) An Bib Ec G 1:188 (1928) (*abst*) Eng Index 1928:1376 (1929)

28a Structural features of Coastal Southern California. (*abst*) G Soc Am, B 39:267 (1928)

28b Geology of the Los Angeles Basin. Oil Bull 14:355-361 (1928) (*ann*) An Bib Ec G 1:227 (1928) (*abst*) Eng Index 1928: 1376 (1929)

Vischer, Edward.

70 Pictorial of California landscape, trees, and forest scenes. 132 pp (April, 1870)

Vivian, William.

65 Observations on the mining district of Sonora, Tuolumne Co., Cal. R G Soc Cornwall, Tr 7:216-219 (1865)

Vogdes, Anthony Wayne.

93 Geological surveys in the State of California. Cal Ac Sc, Pr (2) 3:325-337 (1893)

96 A bibliography relating to the geology, paleontology and mineral resources of California. Cal St M Bur, B 10:121 pp, Sacramento (1896)

04 A bibliography relating to the geology, paleontology and mineral resources of California. Cal St M Bur, B 30:290 pp, Sacramento (1904)

05 ... books relating to geology, mineral resources and paleontology of California. San Diego Soc N H, Tr 1:9-23 (1905) G Zentralbl 10:607 (1908)

Von Petersdorff, F. C.

90 Meteorites. Cal St M Bur, An Rp 10:946-951 (1890)

Von Petersdorff, F. C.—Cont.

95 The mineral resources of Kern Co., Cal. Bakersfield, Kern County, Cal, 51 pp (1895)

Voy, C. D.

97 Geology of Santa Rosa Island. Am G 20:226-227 (1897) (*abst* of unpublished paper)

Wadsworth, Marshman Edward (1847-1921).

81 Remarks on evidences of compression in the rocks of Boston Basin and on elongation of pebbles in general. Boston Soc N H, Pr 20:313-318, 405 (1881)

82 (On picotite from Mt. Shasta, Cal.) Boston Soc N H, Pr 21:314-315 (1882)

84 (and **Whitney, Josiah Dwight**) The Azoic system and its proposed subdivisions. Harvard Coll, Mus C Z, B 7 (g s 1): xvi, 331-565 (1884)

84a Lithological studies. (A description and classification of the rocks of the Cordilleras.) Harvard Coll, Mus C Z, Mem 11:xvi, 208, xxxiii, 8 pls (1884) Reviewed by T. G. B. in G Mag (3) 2:268-270 (*abst*) Am Nat 19:497-500 (1885)

92 The serpentines of the Coast Ranges in California. Am G 9:277-278 (1892)

Wagner, Carroll M.

23 (and **Schilling, Karl H.**) The San Lorenzo group of the San Emigdio region, California. Cal Univ, Dp G, B 14:235-276, 8 pls (1923) (*abst*) G Zentralbl 31:314 (1924) Rv Geol et Sci conn 5:577, 788 (1924)

Wagner, Henry R.

26 Some imaginary California geography. Proceedings of the American Antiquarian Society. 49 pp (April, 1926)

Wagner, Paul.

23 Elk Hills outstanding reserve in still important San Joaquin Valley. Nat Pet News, 15:23-26 (May 2, 1923)

25 Two new Los Angeles Basin fields indicated. Nat Pet News, 17:49 (December 23, 1925)

26 Oil showings near San Francisco result in further testing. Nat Pet News, 18:93-94 (April 28, 1926)

26a Shallow wells yield oil shows found in Half Moon Bay region. Nat Pet News, 18:88, 90-91 (April 14, 1926)

26b Oil possible in Sacramento Valley from Cretaceous beds. Nat Pet News, 18:75-76 (April 7, 1926)

26c Northeastern California barren of oil unless lava covers deposits. Nat Pet News 18:73-74 (March 31, 1926)

Wagner, Paul—Cont.

26d Testing area of first California oil again after many decades. Nat Pet News, 18:35-36 (March 24, 1926)

Wagoner, Luther.

82 The geology of the quicksilver mines of California. Eng M J 34:334, 1 fig (1882)

82a Report on Guadalupe quicksilver mine, California. Eng M J 34:185-186 (1882)

82b The geology of the quicksilver mines of California. Eng M J 34:185-186, 334 (1882)

02 The detection and estimation of small quantities of gold and silver. Am I M Eng 31:798-810, California 809-810 (1902)

Wagy, E. W.

28 Review of the California oil industry in 1927. Am I M Eng; Petroleum development and technology in 1927:645-652, 4 figs (1928)

Wahl, W.

07 Den stora californiska jordbafningen, april 1906. (Das grosse Erdbeben in Kalifornien, April, 1906) Geogr Foren tidskr., 1907, 21S., Helsingfors (1907) (*abst*) G Zentralbl 12:413 (1909)

Wainewright, Wilfrid B.

09 Borate deposits of California. Manchester G M Soc, Tr 31:60-66 (1909) Inst M Eng, Tr 37:156-162 (1909) G Zentralbl 16:552 (1911)

Walcott, Charles Doolittle.

91 The North American continent during Cambrian time. U S G S, An Rp 12, pt 1:523-568, maps (1891)

95 The Appalachian type of folding in the White Mountain Range of Inyo Co., Cal. Am J Sc (3) 49:169-174 (1895) (*abst*) Science (n s) 1:58 (1895)

95a Lower Cambrian rocks in eastern California. Am J Sc (3) 49:141-144 (1895)

96 Sixteenth Annual Report of the United States Geological Survey, 1894-95:4 parts (1896) (Parts 2, 3 and 4, 1895)... Seventeenth An Rp 1895-96:3 parts in 4 vols (1896)... Eighteenth An Rp 1896-97:5 parts in 6 vols (1897) (Parts 2 and 3, 1898) ... Nineteenth An Rp 1897-98:6 parts in 7 vols and separate case for maps with Part 5 (1898) (Parts 2, 3 and 5, 1899)... Twentieth An Rp 1898-99:7 parts in 8 vols and separate case for maps with Part 5 (1899) (Parts 2, 3, 4 and 7, 1900)... Twenty-first Annual Report of the United States Geological Survey, 1899-1900:7 parts in 8 vols and separate case for maps with Part 5 (1900) (Parts 3, 4, 5, 6 continued, and 7, 1901)... Twenty-second An Rp 1900-1901:4 parts (1901) (Parts 3 and 4, 1902)...

Walcott, Charles Doolittle—Cont.

Twenty-third An Rp 1901-1902:217 pp, 26 pls (1902)... Twenty-fourth An Rp 1902-3: 302 pp, 26 pls (1903)... Twenty-fifth An Rp 1903-4:388 pp, 25 pls (1904) ... Twenty-sixth An Rp 1904-5:322 pp, 25 pls (1905) ... Twenty-seventh An Rp 1905-6:104 pp, 24 pls (1906)

96a Report of the Director. U S G S, An Rp 16, pt 1:1-130, pl i (1896) ... An Rp 17, pt 1:1-200, pl 1 (1896) ... An Rp 18, pt 1:1-130, pl i (1897) ... An Rp 19, pt 1:1-143, pls i-ii (1898) ... An Rp 20, pt 1:1-209, pls i-ii (1899) ... An Rp 21, pt 1: 11-204, pls i-iii (1900) ... An Rp 22, pt 1: 3-207, pls i-xxiv (1901)

97 The post-Pleistocene elevation of the Inyo Range, and the lake beds of Waucobi embayment, Inyo Co., Cal. J G 5: 340-348, map (1897)

99 Pre-Cambrian formations. G Soc Am, B 10:199-244, 7 pls, 7 figs, California 226 (1899)

08 Cambrian geology and paleontology. Smiths Misc Col 33:1-431 (1908-10) No. 5 Cambrian sections of the Cordilleran area: 167-230 (*abst*) G Zentralbl 15:504 (1911)

10 Cambrian geology and paleontology, 2; No 1 Abrupt appearance of the Cambrian fauna on the North American continent. Smiths Misc Col 57:1-16, 1 map (1910)

15 The Cambrian and its problems in the Cordilleran region. *In* Problems of American geology: 162-233, il New Haven (1916) (*abst*) G Zentralbl 27:310 (1922)

Walker, D. H.

07 Mineral production of California by counties, 1907. Cal St M Bur, B 51:Tabulated sheet (1907) ... 1908 54: Tabulated sheet (1908) ... 1909 58: Tabulated sheet (1909) ... 1910 61: Tabulated sheet (1910)

07a Mineral production of California for twenty-one years. Cal St M Bur, B 52: Tabulated sheet (1907)

08 Mineral production of California for 1907, with county maps. Cal St M Bur, B 53:62 pp (1908)

09 Mineral production for 1908, with county maps and mining laws of California. Cal St M Bur, B 56:78 pp (1909) ... 1909 60:94 pp (1910)

10 Mineral production of California for twenty-four years. Cal St M Bur, B 62: Tabulated sheet (1910)

Wallace, Alfred R.

77 The "Hog Wallows" in California. Nature 15:431 (1877) (*abst*) G Rec 1877: 132 (1880)

Wallace, K. C.

23 Kern County to come to the front again. Cal Oil World 15:3 (September 27, 1923)

24 Hovey Hills area, Midway oil field. M Oil B 10, no 7:705-707, 758, 1 fig (July 1924) (*abst*) Eng Index 1924:490 (1925)

Walling, Rolla W.

29 Preliminary report on deep zones at Santa Fe Springs. Oil Weekly 54, no 7: 27-32, 76 (August 2, 1929) (*ann*) An Bib Ec G 2:430 (1929)

29a Santa Fe Springs an important area. Oil Gas J 28:98 (August 8, 1929)

29b Deep zone possibilities at Santa Fe Springs. Nat Pet News 21:51-60 (July 24, 1929)

Walter, M.

12 Grand Canyon of Arizona and Yosemite Valley. Ber. Senckenb. naturf. Gesellsch. 43:145-147 (1912)

Walther, Johannes.

92 Die Nordamerikanischen Wüsten. Ges Erdk Berlin, Verh 19:52-65 (1892) Transl by Robert Stein, The North American deserts. Nat Geog Mag 4:163-176 (1893)

Wank, M. E.

23 (with **Watson**, E. B., and **Smith**, Alfred) Soil survey of the Shasta Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1919:99-152, pls 7-10, fig 4, 1 map (1923)

23a (with **Smith**, Alfred, **Kocher**, A. E., **Carpenter**, E. J., **Dean**, W. C., and **Cosby**, S. W. Soil survey of the Brawley area, Cal. U S Dp Agr, Bur Soils. (advance sheets) Field Operations 1920 (1923)

Wanner, Atreus.

00 (with **Ward**, Lester Frank, **Fontaine**, Wm. M., and **Knowlton**, F. H., collaborators) Status of the Mesozoic floras of the United States: The older Mesozoic. U S G S, An Rp 20, pt 2:211-748, il (1900)

Ward, A. T.

20 Borax. Min Ind, 28:58-60, California 58 (1920)... 29:67-69, California 67 (1921)... 30:72-75, California 72, 73 (1922)... 31:80-83, California 80-82 (1923)

21 Bismuth. Min Ind, 29:64-66, California 65 (1921)

23 Manganese. Min Ind, 31:457-470, California 457, 460 (1923)

Ward, Henry A.

04 The Canyon City meteorite from Trinity Co., Cal. Am J Sc (4) 17:383-384, 1 fig (1904)

Ward, Lester Frank (1841-1913).

89 The geographical distribution of fossil plants. U S G S, An Rp 8:663-960, map, California 919-922 (1889)

00a (with **Fontaine**, Wm. M., **Wanner**, Atreus, and **Knowlton**, F. H., collaborators) Status of the Mesozoic floras of the United States: The older Mesozoic. U S G S, An Rp 20, pt 2:211-748, il (1900)

05 (with **Fontaine**, W. M., **Bibbins**, Arthur, and **Wieland**, G. R., collaborators) Status of the Mesozoic floras of the United States (second paper) U S G S, Mon 48:616 pp, pls (1905) (*abst*) G Zentralbl 10:576 (1908)

Wardner, W. R.

29 Review of the California oil industry in 1928. Am I M Eng, Tr, Petroleum development and technology 1928-1929: 437-445 (1929)

Waring, Clarence Alm.

13 Structural geology south of the Santa Susana district (Cal.). Western Eng 3: 470-471 (1913)

14 Eocene horizons of California. J G 22:782-785 (1914)

14a (and **McLaughlin**, R. P.) Petroleum industry of California. Cal St M Bur, B 69:519 pp, maps (1914)

15 Minutes of the fifth annual meeting of the Pacific coast section of the Paleontological Society. G Soc Am, B 26:166-170 (1915)

17 Geological map of Inyo Co., Cal., with notes on geology. Cal St M Bur (1917)

17a Stratigraphic and faunal relations of the Martinez to the Chico and Tejon of southern California. Cal Ac Sc, Pr (4) 7:41-124, il, maps (1917)

17b (and **Waring**, G. A.) Lavas of Morro Hill and vicinity, southern California. Am J Sc (4) 44:98-104 (1917)

18 (and others) Manganese and chromium in California. Cal St M Bur, B 76: 248 pp. 51 figs, 5 pls (1918) (*abst*) Eng Index 1919:293 (1920)

19 Butte County, Sutter Co., Cal. Cal St M Bur, St Mineralogist's Rp 15:181-225, 254-257 (1919) issued as separate under title Mines and Mineral Resources of the counties of Butte, Lassen, Modoc, Sutter and Tehama (1916) (*abst*) Eng Index 1918:326 (1919)

19a Placer County, Sacramento County, Yuba County, Cal. Cal St M Bur, St Mineralogist's Rp 15:309-459 (1919) issued as separate under title Mines and Mineral Resources of the counties of El Dorado, Placer, Sacramento, Yuba (1916) (*abst*) Eng Index 1918:325 (1919)

19b (and **Bradley**, W. W.) Monterey County. Cal St M Bur, St Mineralogist's

Waring, Clarence Alm—Cont.

Rp 15:595-615 (1919) issued as separate under title Mines and Mineral Resources of the counties of Monterey, San Benito, San Luis Obispo, Santa Barbara, Ventura (1916) (*abst*) Eng Index 1918:325 (1919)

19c (and **Huguenin,** E.) Inyo County. Cal St M Bur, St Mineralogist's Rp 15: 29-134 (1919) issued as separate under title Mines and Mineral Resources of Alpine County, Inyo County, Mono County (1916) (*abst*) Eng Index 1918:325 (1919)

Waring, Gerald Ashley.

05 Quartz from San Diego Co., Cal. Am J Sc (4) 20:125-127, 2 figs (1905) (*abst*) Zentralbl 10:536 (1908)

05a The pegmatite veins of Pala, San Diego County (Cal.). Am G 35:356-369, 5 pls (1905) (*abst*) G Zentralbl 8:642 (1906)

15 Springs of California. U S G S, W-S P 338:410 pp, maps (1915) (*abst*) G Zentralbl 27:108 (1921)

17 (and **Waring,** C. A.) Lavas of Morro Hill and vicinity, southern California. Am J Sc (4) 44:98-104 (1917)

19 Ground water in the San Jacinto and Temecula basins, California. U S G S, W-S P 429: 113 pp, 14 pls (incl maps), 15 figs (1919) (*abst*) Wash Ac Sc, J 10: 472-473 (1920) G Zentralbl 27:110 (1921)

21 Ground water in Pahrump, Mesquite and Ivanpah valleys, Nevada and California. U S G S, W-S P 450:51-86, i-iv, pls 7-11 (1921) (*abst*) Rv Geol et Sci conn 3:334 (1922)

Warman, Philip Creveling (1859-1908).

93 Bibliography and index of the publications of the United States Geologic Survey. U S G S, B 100:495 pp (1893), (California pp 341-343)

01 Catalogue and index of the publications of the United States Geological Survey, 1880-1901. U S G S, B 177:858 pp (1901), (California pp 181-190)

03 Catalogue and index of the publications of the United States Geological Survey, 1901-1903. U S G S, B 215:234 pp (1903), (California pp 54-59)

Warner, J. F.

11 (with **Sweet,** A. T., and **Holmes,** L. C.) Soil survey of the Modesto-Turlock area, California, with a brief report on a reconnaissance soil survey of the region east of the area. U S Dp Agr, Bur Soils, Rp 10:1129-1294, map no 34, 2 pls and pls A-F (1911)

12 (with **Mann,** C. W., **Westover,** H. L., and **Ferguson,** J. E.) Soil survey of the Woodland area, California. U S Dp Agr, Bur Soils, Rp 11:1635-1687, maps nos 51-52 (1912)

Warner, J. J.

81 The first California gold. Eng M J. 32:170 (1881)

Warner, Thor.

23 An anticlinorium on the southern California coast. Oil Age 19, no 26:12-14, 3 figs (1923)

23a Geological aspect, south flank of Santa Fe Springs field. Oil Age, 19: 14-16 (April 18, 1923)

23b Prolific pay streaks. Oil Age, 19: 5-6 (July, 1923)

24 Lindero anticline, Ventura Co., Cal. M Oil B 10, no 6:589, 591, 652 (1924)

26 Silver discovery in Saline Valley, Inyo Co., Cal. Eng M J 121:938, 2 figs (1926) (*abst*) G Zentralbl 36:10 (1927)

27 The Los Angeles basin. Am I M Eng, Petroleum development and technology in 1926:629-632, 2 figs (1927)

29 Subsurface aspect of productive zone in Santa Fe Springs Oil Field. Oil Age (January, 1929)

30 What the drill reveals of subsurface geology at Venice. Petroleum World and Oil Age 27:78-80, 1 il (August 1930)

30a Mercury deposit in Coso range, Inyo County. Cal Dp Nat Res, Div Mines and Mining, Mining in California, St Mineralogist's Rp 26:59-63 (1930)

Warner, W. H.

50 Reconnaissance of a route through the Sierra Nevada by the upper Sacramento. *In* Rp Sec War, U S 31st Cong, 1st sess, S Ex Doc 47, pt 2:16-33 (1850)

Warren, Van Court.

27 (and **Johnson,** Harry R.) Geology and structural conditions of the San Gabriel Valley region. State of Cal, Dp Public Works, Division of Water Rights. B 5:73-100 (1927)

Wartman, F. S.

21 (and **Guild,** F. N.) Wulfenite from Lavic, California. Am Mineralogist 6: 167-168, 2 figs (1921) Min Absts 1:420 (1922)

Washburne, Chester Wesley.

25 California oil field waters (discussion). Ec G 20:395-396 (1925) (*abst*) G Zentralbl 33:301 (1926)

Washington, Henry Stephens.

01 A chemical study of the glaucophane schists. Am J Sc (4) 11:47-52 (1901)

03 Chemical analyses of igneous rocks published from 1884 to 1900... U S G S, P P 14:495 pp (1903) (*abst*) G Zentralbl 4:257-258 (1903)

17 Chemical analyses of igneous rocks, published from 1884 to 1913, inclusive,

Washington, Henry Stephens—Cont.

with a critical discussion of the character and use of analyses; a revision and expansion of Professional Paper 14, U S G S, P P 99:1201 pp (1917) (*abst*) Wash Ac Sc, J 8:66 (1918)

Wasson, J.

78 Bodie and Esmeralda. 60 pp (1878)

Waterfall, Louis N.

29 A contribution to the paleontology of the Fernando group, Ventura Co., Cal. Cal Univ, Dp G, B 18:71-92, pls 5-6, 1 fig (1929) (*ann*) An Bib Ec G 2:129 (1929) G Zentralbl 41:105 (1930) (*abst*) Eng Index 1929:879 (1930)

Watson, E. B.

19 (and **Pendleton**, R. L.) Soil survey of the Ukiah area, Cal. U S Dp Agr, Bur Soils, Rp 16:2629-2677, pls 77-81, map 63 (1919)

19a (and party) Soil survey of the Merced area, Cal. U S Dp Agr, Bur Soils, Rp 16:2785-2850, pls 86-89, map 65 (1919)

19b (with **Dean**, W. C., **Zinn**, C. J., **Pendleton**, R. L., and **Lapham**, M. H.) Soil survey of the Healdsburg area, California. U S Dp Agr, Bur Soils, Rp 17:2199-2253, pls 50-54, map 59 (1919)

19c (with **Strahorn**, A. T., **Dunn**, J. E., **Pendleton**, R. L., **Nelson**, J. W., and **Lapham**, M. H.) Soil survey of the Riverside area, California. U S Dp Agr, Bur Soils, Rp 17:2367-2450, pls 61-64, map 62 (1919)

21 (with **Nelson**, J. W., **Zinn**, C. J., **Strahorn**, A. T., **Dunn**, J. E., **Lapham**, Macy H.) Soil survey of the Los Angeles area. U S Dp Agr, Bur Soils, Rp 18:2347-2420, pls 46-68, map 59 (1921)

21a (with **Smith**, Alfred, and **Lapham**, Macy H.) Soil survey of the Santa Maria area, Cal. U S Dp Agr, Bur Soils, Rp 18:2531-2574, pls 72-75, map 61 (1921)

23 (with **Nelson**, J. W., **Dean**, W. C., **Kocher**, A. E., **Carpenter**, E. J., and **Lapham**, Macy H.) Soil survey of the Ventura area, California. U S Dp Agr, Bur Soils, Rp 19:2321-2403, pls 56-58, map 56 (1923)

23a (with **Wank**, M. E., and **Smith**, Alfred) Soil survey of the Shasta Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1919:99-152, pls 7-10, fig 4, 1 map (1923)

24 (with **Hammon**, J. B., and **Lapham**, M. H.) Soil survey of the Grass Valley area, California. U S Dp Agr, Bur Soils, Rp 20:1689-1724, pls 31-33, map 45 (1924)

24a (with **Strahorn**, A. T., **Kocher**, A. E., **Eckmann**, E. C., **Hammon**, J. B., **Lapham**, M. H.) Soil survey of the El Centro area, California. U S Dp Agr, Bur Soils, Rp 20:1633-1687, pls 27-30, maps 43-44 (1924)

24b (and **Cosby**, Stanley W.) Soil survey of the Big Valley area, California. (advance sheets) U S Dp Agr, Bur Soils, 1920:1005-1032, pls 11-13, fig 31, 1 map (1924)

25 (with **Cosby**, Stanley W., and **Smith**, Alfred) Soil survey of the Eureka area, California. (advance sheets) U S Dp Agr, Bur Soils, 1921:851-881, pl 29, fig 30, 1 map (1925)

27 (and **Cosby**, Stanley W.) Soil survey of the Gilroy area, California. (advance sheets) U S Dp Agr, Bur Soils, 1923:599-642 pls 26-28, figs 19, 20, 1 map (1927)

27a (and **Cosby**, Stanley W.) Soil survey of the Hollister area, California. (advance sheets) U S Dp Agr, Bur Soils, 1923:643-681, pls 29-32, figs 21-23, 1 map (1927)

28 (and **Storie**, R. Earl) Soil survey of Bishop area, California. U S Dp Agr, Bur Chem and Soils, Ser 1924, no 3:95 pp, 3 pls, 1 fig, 2 maps (1928)

28a (with **Cosby**, Stanley W., and **Harper**, W. G.) Soil survey of Auburn area, California. U S Dp Agr, Bur Chem and Soils, Ser 1924, no 15:38 pp, 3 pls, 1 fig, 1 map (1928)

29 (with **Glassey**, T. W., **Storie**, R. Earl, and **Cosby**, Stanley W.) Soil survey of the Chico area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1925, no 4:48 pp, 2 pls, 1 fig, 1 map (1929)

Watts, Arthur S.

15 Feldspar. Min Ind 24:255-257, California 255 (1916)... 27:239-241, California 240 (1919)... 28:228-229, California 228 (1920)... 31:258-261, California 259 (1923)... 32:242-244, California 242 (1924)... 33:256-258, California 257 (1925)... 34:277-279, California 278 (1926)... 35:244-246, California 245 (1927)... 37:228-230, California 228, 299 (1928)... 38:702-705, California 703, 705 (1929)

Watts, William L.

90 Merced, Sacramento, San Joaquin, San Mateo, Santa Clara, Santa Cruz, Solano, Stanislaus, Yolo counties. Cal St M Bur, St. Mineralogist's An Rp 10: 324-331, 496-514, 548-566, 586-594, 604-605, 620-626, 659-671, 680-690, 773-793 (1890)

93 Report on Kern County, Cal St M Bur, St Mineralogist's Rp 11:233-238 (1893)

93 Report on Kern County. Cal St M Bur St Mineralogist's Rp 11:189-194 (1893)

Watts, William L.—Cont.

93b Coal and clays in Amador Co., Cal. Cal St M Bur, Mineralogist's Rp 11: 146-149 (1893)

93c Colusa, Del Norte, Fresno, Humboldt, Lake, Marin, Mendocino, Merced, Placer, Sacramento, Santa Clara, San Joaquin, Sonoma, Stanislaus, Sutter, Tehama, Tulare, Yuba counties. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:179-194, 195-200, 210-226, 227-238, 239-242, 249-254, 255-256, 257-258, 319-322, 334-336, 374-375, 394, 453-463, 464-468, 469-471, 472-479, 485-492, 515-516 (1893)

93d Alameda County. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:121-138 (1893)

93e Stanislaus County, Cal.: the Summit quicksilver mine. Cal St M Bur, St Mineralogist's Rp 11:464-465 (1893)

93f Sonoma County, Cal.; quicksilver at the Great Eastern mine and at Pine Flat district. Cal St M Bur, St Mineralogist's Rp 11:460-461 (1893)

93g Colusa County, Cal.; the mines of Sulphur Creek and vicinity. Cal St M Bur, St Mineralogist's Rp 11:181-187 (1893)

93h Alameda County, Cal. (quicksilver). Cal St M Bur, St Mineralogist's Rp 11: 121-122 (1893)

93i Lake County, Cal.; the Abbott quicksilver mines. Cal St M Bur, St Mineralogist's Rp 11:239-240 (1893)

93j Santa Clara County, Cal. (quicksilver). Cal St M Bur, St Mineralogist's Rp 11:374 (1893)

94 The gas and petroleum yielding formations of the central valley of California. Cal St M Bur, B 3:100 pp, maps Sacramento (1894)

97 Oil and gas yielding formations of Los Angeles, Ventura and Santa Barbara counties. Cal St M Bur, B 11:94 pp, maps, Sacramento (1897)

99 Petroleum in California. *In* California mines and minerals (pub. by California Miners' Association): 188-204, San Francisco, Cal. (1899)

99a Notes on the oil-yielding formations of California. M Sc Press 79:144-146, 172-173 (1899) (*abst*) Eng Index 3:685 (1901)

00 Petroleum in California. Am I M Eng, Tr 29:750-756 (1900) Cassier's Mag 21:123-129 (1901) (*abst*) Eng Index 3:685 (1901)

01 Oil and gas yielding formations of California. Cal St M Bur, B 19:236 pp, maps, Sacramento (1901)

01a Synopsis of general report of State Mining Bureau. Cal St M Bur, B 20:21 pp (1901)

01b Petroleum in California. Cassier's Magazine 21:123-129 (1901)

Weatherbe, D'Arcy.

06 First observations of the (San Francisco earthquake) catastrophe. M. Sc Press 92:275-276 (1906)

Weaver, Charles Edwin.

05 Contribution to the paleontology of the Martinez group. Cal Univ, Dp G, B 4:101-123, il (1905) (*abst*) G Zentralbl 8:25 (1906)

08 New echinoids from the Tertiary of California. Cal Univ, Dp G, B 5:271-274, il (1908)

09 Stratigraphy and paleontology of the San Pablo formation in middle California. Cal Univ, Dp G, B 5:243-269 (1909)

30 Geology of the Coast Range immediately north of San Francisco Bay. (*abst*) G Soc Am, B 41:46-47 (1930) Pan Am G 53:72 (1930)

30a Stratigraphic relations of Domengine and Markeley formations in Antioch, Vacaville and Napa quadrangles. (*abst*) Pan Am G 54:79 (1930)

Weaver, D. K.

29 (and **Hendrickson,** A. B.) Santa Fe Springs oil field. Cal Dp Nat Res, Div Mines and Mining, Summary Operations, California Oil Fields 14, no 7:5-21, 5 pls (January, 1929)

30 Encroachment of waters at Santa Fe Springs. M Metal 11:472-474, 5 figs (1930)

Weaver, Edward C.

93 Geology of building stones. M Sc Press 66:310 (1893)

Weber, Adolph H.

88 Natural gas and coal; petroleum and asphaltum, northern California. Cal St M Bur, St Mineralogist's An Rp 7:179-202 (1888)

90 Santa Clara County. Cal St M Bur, St Mineralogist's An Rp 9:48-56 (1890)

Weddle, H. W.

29 (and **Stirton,** R. A.) The California tapir *Tapirus haysii californicus* Merriam from Santa Barbara Co., Cal. Cal Univ, Dp G, B 18:225-226, 1 fig (1929) G Zentralbl 41:117 (1930)

Weed, Walter Harvey.

00 Mineral vein formation at Boulder Hot Springs, Montana. U S G S, An Rp 21, pt 2:227-255, California 251 (1900)

03 Ore deposition and vein enrichment by ascending hot waters. Am I M Eng, Tr 33:747-754 (1903)

05 Economic value of hot-spring deposits. U S G S, B 260:598-604, California 599 (1905)

Weed, Walter Harvey—Cont.

05a The copper production of the United States. U S G S, B 260:211-216 (1905), (California pp 213, 216)

06 The copper mines of the United States in 1905. U S G S, B 285:93-124, 2 figs, California 104-106 (1906)

08 Copper mines of the world. xiv 375 pp, Hill Pub Co, New York, California 12, 13, 297-306 (1908)

17 Copper. Min Ind 25:150-210, California 152, 170 (1917)... 26:133-178, California 135, 136, 156-157 (1918)... 27:142-237, California 145, 164-165 (1919)... 28:140-184, California 144, 160-161 (1920)... 29:142-174, California 145, 155, 156 (1921)... 30:146-181, California 151, 164, 165 (1922)... 31:157-205, California 161 (1923)... 32:162-195, California 166, 179-180 (1924)... 33:168-217, California 173, 188-189 (1925)... 34:181-228, California 186, 199-200 (1926)... 35:154-201, California 157, 169-170 (1927)

Weeks, Fred Boughton.

96 Bibliography and index of North American geology, paleontology, petrology and mineralogy for 1892 and 1893. U S G S, B 130:210 pp (1896)... 1894; B 135:141 pp (1896)... 1895; B 146:130 pp (1896)... 1896; B 149:152 pp (1897)... 1897, B 156:130 pp (1898)... 1898; B 162: 163 pp (1899)... 1899; B 172:144 pp (1900)... 1901; B 203: 144 pp (1902)

02 North American geologic formation names; Bibliography, synonymy and distribution. U S G S, B 191:448 pp (1902), (California 27-30)

02a Bibliography (and index) of North American geology, paleontology, petrology and mineralogy for the years 1892-1900, inclusive. U S G S, B 188:717 pp; B 189:337 pp (1902)

13 The Minaret iron deposit, Madera County. Cal St M Bur, St Mineralogist's Rp 14:555-558 (1913-14)

25 Possibilities of the Calico mining district (San Bernardino Co., Cal.). Eng M J 119:757-763, 3 figs (1925) (*abst*) G Zentralbl 37:7-8 (1928)

26 Mineralized breccias at Calico, California. Eng M J 121:484, 1 fig (1926) (*abst*) G Zentralbl 35:445-446 (1927)

Weeks, Joseph Dame (1840-1896).

86 Manganese. U S G S, Min Res, Calendar Year 1885:303-356 California 349-350 (1886)... 1886:180-213 California 181, 197 (1887)... 1887:144-167 California 145 (1888)... 1888:123-143 California 124, 128 (1890)... 1889-90:127-136 California 127, 131-132 (1892)... 1891:126-146 California 127, 131-132 (1893)... 1892:169-226 California 194 (1894)... 1893:119-155 California, 120, 126-127 (1894)

Weeks, Joseph Dame—Cont.

87 Petroleum. U S G S, Min Res, Calendar Year 1886:439-487, California 439-442, 461-462 (1887)... 1887:436-463, California 436-438, 452-455 (1888)... 1888:442-480, California 442-444, 464 (1890)... 1889-90:287-365, California 287-288, 290-292, 340-348 (1892)... 1891:403-435, California 404-409, 432 (1893)... 1892:603-651, California 603-604, 606-607, 611-612, 645-651 (1893)... 1893:461-533, California 463-466, 468, 508-509 (1894)

92 Manganese. *In* U S 11th Census Report on Mineral Industries in the United States. 285-330 (1892)

92a Petroleum and natural gas. *In* U S Census Report on Mineral Industries in the United States: 425-578 (1892)

95 Petroleum. U S G S, 16th An Rp, pt 3, 1894:315-404, California 316, 318, 368-370 (1895)

95a Natural gas. U S G S, 16th An Rp, pt 3, 1894:405-429, California 406-407, 415, 418-419, 426-428 (1895)

95b Manganese. U S G S, An Rp 16, pt 3, 1894:389-457, California: 395, 405-407 (1895)... 17, pt 3, 1895:185-225, California 187, 193-194 (1896)

Weller, Stuart.

98 A bibliographic index of North American Carboniferous invertebrates. U S G S, B 153, 653 pp (1898)

Wells, A. E.

24 Pyrite. Min Ind 32:632-646, California 640 (1924)... 33:662-674, California 669 (1925)... 34:655-657, California 655 (1926)... 35:627-641, California 633, 634 (1927)... 36: 542-552, California 546 (1928)... 37: 564-574, California 569-570 (1929)

Wells, Harry L.

82 The discovery of gold in California. Illustrated history of Plumas, Lassen and Sierra counties with California from 1513 to 1850, San Francisco, Fariss & Smith, 1882, 113-126, 1 fig (1882)

Wells, Roger Clark.

10 A new occurrence of hydrogiobertite (Chiles Valley, Napa Co., Cal.). Am J Sc (4) 30:189-190 (1910)

21 Borax. U S G S, Min Res, Calendar Year 1918:195-198, California 195-197 (1921)... 1919:47-76 California 74-75 (1922)... 1920:123-134, California 129-131 (1923)

21a Note on the water of Borax Lake. Wash Ac Sc, J 11:477-481 (1921)

22 Natural sodium sulphate. U S G S, Min Res, Calendar Year 1919:47-76, California 73 (1922)

22a Natural soda. U S G S, Min Res, Calendar Year 1919:47-76, California 62 (1922)

Wells, Roger Clark—Cont.

23 Sodium sulphate: its sources and uses. U S G S, B 717:43 pp, California 19-21 (1923)

Wells, W. V.

63 A visit to the quicksilver mines of New Almaden. Harper's Mag 27:25-40, il (1863)

Wemple, Edna M.

06 New cestraciont teeth from the west-American Triassic. Cal Univ, Dp G, B 5, no 4:71-73, 1 pl (1906)

Wernekke.

30 Naturgas in Kalifornien. Petroleum, Berlin-Wien 26:735-737 (1930) (*ann*) An Bib Ec G 3:401 (1931)

Wesson, L. G.

20 (and **Mabery,** C. F.) Constitution of the organic nitrogen bases of Californian petroleum. Am Chem Soc, J 22:1014 (1920)

West, H. E.

05 Tin in California. Eng M J, 79: 852-853, New York (1905)

24 Early tin mining in California. Eng M J 117:55-57 (January 12, 1924)

28 New attempt to develop Temescal tin deposit, in southern California. Eng M J 126:131-132 (1928) (*ann*) An Bib Ec G 1:105 (1928) (*abst*) G Zentralbl 40: 423 (1929)

Westover, H. L.

12 (and **Van Duyne,** Cornelius) Soil survey of the Livermore area, California. U S Dp Agr, Bur Soils, 1910, Rp 12:1657-1716, 1 pl, map no 42 (1912)

12a (with **Mann,** C. W., **Warner,** J. F., and **Ferguson,** J. E.) Soil survey of the Woodland area, California. U S Dp Agr, Bur Soils, Rp 11:1635-1687, maps nos 51-52 (1912)

12b (with **Strahorn,** A. T., **Holmes,** L. C., **Eckmann,** E. C., **Nelson,** J. W., and **Van Duyne,** Cornelius) Soil survey of the Madera area, California. U S Dp Agr, Bur Soils, Rp 12:1717-1753, 1 pl, map no 43 (1912)

12c (with **Strahorn,** A. T., **Mackie,** W W., **Holmes,** L. C., and **Van Duyne,** Cornelius) Soil survey of the Marysville area, California. U S Dp Agr, Bur Soils, 1909, Rp 11:1689-1740, 1 pl, map no 53 (1912)

Westsmith, J. N.

29 Prospecting in Ventura Basin uncovers new oil territory. Nat Pet News 21:60-61, 6 fis (August, 1929) (*abst*) Eng Index 1929:1378 (1930)

Westsmith, J. N.—Cont.

30 Flank drilling active at Signal Hill; Playa del Rey extended. Nat Pet News 22:52-53 (July, 1930)

Wetmore, Alexander.

30 Fossil bird remains from the Temblor formation near Bakersfield, California. Cal Ac Sc, Pr (4) 19:85-93, 7 figs (1930)

Wheelan, F. H.

90 The gas well at Summerland. Cal St M Bur, St Mineralogist An Rp 10:601-603 (1890)

Wheeler, George Montague (1842-1905).

74 Annual report upon the geological explorations and surveys west of the 100th meridian in California, Nevada, Utah, Arizona, Colorado, New Mexico, Wyoming and Montana. 130 pp, map, Washington, 1874. Also in U S (War Dp), Chief Eng, An Rp, 1874 (U S 43d cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 2) App FF:480-606 (1874)

75 Annual report upon the geographical explorations and surveys west of the one hundredth meridian, in California, Nevada, Nebraska, Utah, Arizona, Colorado, New Mexico, Wyoming and Montana, 196 pp, maps, Washington (1875) Also in U S (War Dp), Chief Eng, An Rp, 1875 (U S 44th Cong, 1st sess, H Ex Doc 1, pt 2, v 2, pt 2) App LL:921-1108 (1875) (*abst*) G Rec 1875:132 (1877)

76 Annual report upon the geographical surveys west of the one hundredth meridian in California, Nevada, Utah, Colorado, Wyoming, New Mexico, Arizona and Montana. 355 pp, maps, Washington (1876) Also in U S (War Dp), Chief Eng, An Rp, 1876 (U S, 44th Cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App JJ:219-563 (1876) (*abst*) G Rec 1876:365 (1878)

76a (in charge) Geological atlas projected to illustrate geographical exploration and surveys west of the 100th meridian of longitude ... (for sheets published, see U S G S, B 222:60) (1876)

77 Annual report upon the geographical surveys west of the one hundredth meridian in the states and territories of California, Oregon, Nevada, Texas, Arizona, Colorado, Idaho, Montana, New Mexico, Utah and Wyoming. U S (War Dp), Chief Eng, An Rp, 1877 (U S 45th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 2) App NN: 1209-1334, maps (1877)

78 Annual report ... 1878; geographical surveys of the territory of the United States west of the one hundredth meridian in the states and territories of California, Colorado, Kansas, Nebraska, Nevada, Oregon, Texas, Arizona, Idaho,

Wheeler, George Montague—Cont.

Montana, New Mexico, Utah, Washington and Wyoming. viii, 234 pp, map, Washington (1878) Also in U S (War Dp), Chief Eng, An Rp, 1878 (U S 45th cong, third sess, H Ex Doc 1, pt 2, v 2, pt 3) App NN: 1421-1651 (1878)

79 Annual report ... 1879: geographical surveys of the territory of the United States west of the one hundredth meridian in the states and territories of California, Colorado, Kansas, Nebraska, Nevada, Oregon, Texas, Arizona, Idaho, Montana, New Mexico, Utah, Washington and Wyoming. iv, 340 pp, maps, Washington (1879) Also in U S (War Dp), Chief Eng, An Rp, 1879 (U S 46th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App OO:1977-2313 (1879)

80 Annual report upon the geographical and topographical surveys of the territory of the United States west of the one hundredth meridian... 40 pp, map, Washington 1880 Also in U S (War Dp), Chief Eng An Rp, 1880 (U S 46th cong, 3d sess, H Ex Doc 1, pt 2, v 2, pt 3) App PP: 2459-2499 (1880)

84 Annual report upon the geographical and topographical surveys of the territory of the United States west of the one hundredth meridian... U S (War Dp), Chief Eng, An Rp 1884 (U S 48th cong, 2d sess, H Ex Doc 1, pt 2, v 2, pt 3) App VV:2375-2378 (1884)

Wheeler, O. C.

28 Zonal classification of the Pico formation, Ventura County, California, on the basis of the Foraminifera. Micropaleo B 9:1-4 (1928) (*abst*) Biol Absts 4: 2432 (1930)

Wherry, Edgar T.

16 Notes on alunite, psilomelanite and titanite. U S Nat Mus, Pr 51:81-88 (1916) Min Absts 1:378-379 (1922)

17 Neodymium as the cause of the red-violet color in certain minerals. Wash Ac Sc, J 7:143-146 (1917) Min Absts 1:230 (1921)

22 (and **Foshag, W. F.**) Notes on the composition of talc. Am Mineralogist 7:167-171 (1922) Min Absts 2:361 (1924)

Whipple, A. W.

55 Report of explorations for a railway route near the thirty-fifth parallel of latitude from the Mississippi River to the Pacific Ocean. U S Pacific R R Expl (U S 33d cong, 1st sess, H Ex Doc 129, v 18, pt 2):1-87 (1855); also (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 3:3-36, 1-136 (1856)

56 Route near the thirty-fifth parallel...; report on the topographic features and character of the country. U S Pacific R R Expl (U S 33d cong, 2d sess, S Ex Doc 78 and H Ex Doc 91) 3:77 pp, (1856)

White, Charles Abiathar (1826-1910).

79 Remarks on the Jura-Trias of western North America. Am J Sc (3) 17:214-218 (1879)

81 Note on the occurrence of *Productus giganteus* in California. U S Nat Mus, Pr 3:46-47, il (1881) U S Geological and Geographical Survey of the Territories An Rp 12:132 (1883)

83 Contributions to invertebrate paleontology; No. 6; Certain Carboniferous fossils from Western States and Territories. U S G Geog S Terr (Hayden) An Rp 12, pt 1:119-141, il (1883, advance print 1880)

84 Fossil Ostreidae of North America... U S G S, An Rp 4:273-430, il (1884)

85 Notes on the Jurassic strata of North America. Am J Sc (3) 29:228-232 (1885)

85a Report, division of Mesozoic invertebrates. U S G S, An Rp 6:72-74 (1885)

85b On marine Eocene, fresh-water Miocene and other fossil Mollusca of western North America. U S G S, B 18: 26 pp, il (1885)

85c The Shasta group. U S G S, B 15: 18-32 (1885)

85d The Chico-Tejon group. U S G S, B 15:11-17 (1885)

85e On the Mesozoic and Cenozoic paleontology of California. U S G S, B 15:33 pp (1885)

85f On new Cretaceous fossils from California. U S G S, B 22:25 pp, il (1885) (*abst*) N Jb 1886, Band 2, Ref:112-113 (1886)

88 Remarks on the genus *Aucella,* with especial reference to its occurrence in California. U S G S, Mon 13:226-233, il (1888)

89 On invertebrate fossils from the Pacific coast. U S G S, B 51:102 pp, il California 11-27 (1889) (*abst*) Am G 5:109-110 (1890)

90 The North American Mesozoic (Address). Am As, Pr 38:205-226 (1890) Science (n s) 14:160-166, California 162, 164-165 (1889)

91 Correlation papers, Cretaceous. U S G S, B 82:273 pp, maps (1891)

91a On the fauna of the Shasta group and the supposed Triassic from the Mineral King district. G Soc Am, B 2:208 (1891)

White, William A.

22 Coal. Min Ind, 30:97-141, California 101 (1922)...

Whiteaves, Joseph Frederick (1835-1909).

79 On the fossils of the Cretaceous rocks of Vancouver and adjacent islands in the Strait of Georgia. Can G S, Mesozoic Foss 1:93-190, il (1879)

00 On some additional or imperfectly understood fossils from the Cretaceous rocks of the Queen Charlotte Islands, with a revised list of the species from those rocks. Can G S, Mesozoic Foss 1: 263-307, il (1900)

03 On some additional fossils from the Vancouver Cretaceous, with a revised list of the species therefrom. Can G S, Mesozoic Foss 1:309-415, il (1903)

Whitfield, James Edward.

87 Analyses of some natural borates and borosilicates. Am J Sc (3) 34:281-287 (1887)

89 Analyses of natural borates borosilicates. U S G S, B 55:56-58 (1889)

90 Analysis of the San Bernardino meteorite. U S G S, B 60:114 (1890)

90a Eruptive rocks from northern California. (Analyses.) U S G S, B 64:49-50 (1890)

Whiting, H. A.

88 Mono County, Cal. Cal St M Bur, St Mineralogist's An Rp 8:352-401, 3 il, 3 tables (1888)

Whitman, Alfred R.

13 The vadose synthesis of pyrite Ec G 8, no 5:455-468, 1 fig (1913) M Sc Press, 107:928 (1913)

Whitney, Josiah Dwight (1819-1896).

52 Review of P. T. Tyson's Geology and industrial resources of California. N Am Rv 75, (n s) 66:277-296 (1852)

52a Review of J. D. Dana's The United States exploring expedition: Geology. N Am Rv 74, (n s) 65:301-330 (1852)

54 The metallic wealth of the U S.... xxxii, 510 pp, Phila (1854)

61 The geological survey of California; an address delivered before the legislature of California... 50 pp, San Francisco (1861)

61a An address delivered at the celebration of the sixth anniversary of the College of California, held in Oakland, June 6, 1861, 56 pp (1861)

62 Letter of the State geologist relative to progress of the (California) State geological survey. 7 pp (Sacramento, 1862)

62a Lecture on geology, delivered before the legislature of California... 33 pp, San Francisco (1862) Cal Legislative Assembly Docs Sess 1862, Sen and Assem J, 13th Sess, Doc 13:27 (1862)

62b Annual Report of the State Geologist for the year 1862, 12 pp, pamphlet, San Francisco (1862)... 1863 7 pp; pamphlet, San Francisco (1863)... Senate Journal 14th session, Document no 10

Whitney, Joshiah Dwight—Cont.

63 Lecture on geology delivered before the legislature of California at Sacramento, Thursday evening, March 19, 1863, 17 pp (Sacramento, 1863)

63a (The progress of the State geological survey of California.) Cal Ac N Sc, Pr 3:23-29 (1863)

63b Letter of the State Geologist relative to the progress of the State Geological Survey. 14 pp, pamphlet, San Francisco (1863-64)

63c On the height of Mt. Shasta. Am J Sc (2) 36:123 (1863)

64 Preface (survey operations; stratigraphic notes). Cal G S, Paleontology 1:vii-xx (1864)

64a On the progress of the geological survey of California. Am J Sc (2) 37: 427-431; 38:256-264, 298 (1864)

64b Annual report of the State geologist (of California) for the year 1863. 7 pp (Sacramento, 1864)... Cal Journal 15th session 1, Doc no 10

64c The highest mountains of the United States and of North America. Am J Sc (2) 37:81-82 (1864) (*abst*) Cal Ac Sc, Pr 3: 325-327 (1868)

65 Geological survey of California; Geology, 1. Report of progress and synopsis of the field work from 1860 to 1864. xxvii, 498 pp (1865) (Am J Sc (2) 41:124, 231-246, 351-368 (1866)

65a Notice of the explorations of the Geological Survey of California in the Sierra Nevada during the summer of 1864. Am J Sc (2) 39:10-13 (1865)

65b Tin in Temescal range. Cal G S (Geology), 1:180-181, Philadelphia (1865)

66 On borax in California. Am J Sc (2) 41:255-258 (1866) Cal G S 1:96-100 (1865)

66a Recent developments with regard to the geology of California. Am J Sc (2) 41:252-254 (1866)

66b Remarks on the absence of the northern drift formation from the western coast of North America. Cal Ac N Sc, Pr 3:271-272 (1866) (*abst*) Am Nat 1:157-158 (1868)

66c Letter of the State geologist relative to the progress of the State geological survey during the years 1863-64, 14 pp, Sacramento (1866)... Cal Journal 15th session 1, Doc no 10

67 On the fresh-water infusorial deposits of the Pacific coast and their connection with the volcanic rocks. Cal Ac N Sc, Pr 3:319-324 (1867)

67a Letter of the State geologist relative to the progress of the (California) State geological survey during the years 1866-7. 15 pp, Sacramento (1867)

Whitney, Joshiah Dwight—Cont.

67b Sur les amas détritiques de la Californie. Soc G, France, B (2) 24:624-625 (1867)

67c Notice of a human skull recently taken from a shaft near Angels, Calaveras Co., Cal. Cal Ac N Sc, Pr 3:277-278 (1867) Am J Sc (2) 43:265-267 (1868) Am J Sc (3) 18:234 (1879)

67d Tin in California. *In* Brown and Taylor, Mines and mining in the States and Territories west of the Rocky Mountains. U S Treas Dp: 187-188 (1867)

67e Exhibition of a canine tooth, supposed to belong to a hyaena. Cal Ac Sc, Pr 3:356-357 (1868)

68 Letter of the State geologist relative to the progress of the (California) State geological survey during the years 1864-65. 14 pp Sacramento (1868)

68a An address on the propriety of continuing the State geological survey of California ... 23 pp, San Francisco (1868)

68b Silurian fossils in the West. N Jb 1868:188-189 (1868)

68c (On the depression of Death Valley.) Cal Ac N Sc, Pr 3:376 (1868)

68d On the Calaveras skull and its geological position. Am Nat 2:445-447 (1868)

68e (Remarks on the mineral species occurring in California and on the Pacific coast.) Cal Ac N Sc, Pr 3:372-373, 374-376 (1868) Deut G Ges, Zs 21:741-746 (1869)

68f The Yosemite book; a description of the Yosemite Valley and the adjacent region of the Sierra Nevada, and of the big trees of California. Cal G S: 116 pp, map, N Y (1868) Another ed, with text figures instead of plates: 155 pp, map, Cambridge (1870) Other editions, The Yosemite guidebook...: 133 pp, maps, Cambridge 1871:186, 3 pp, maps, Cambridge (1874)

68g Report of the Commissioners to manage the Yosemite Valley and the Mariposa Big Tree Grove for the years 1866-1867. 14 pp (1868)

68h Cave in Calaveras County, California. Smiths Inst, An Rp 1867:406 (1868)

69 Preface. Cal G S, Paleontology 2: vii-xiv (1869)

69a Report of the State geologist on the condition of the geological survey of California. 7 pp, Sacramento, (1869)

71 Letter of the State geologist relative to the progress of the (California) geological survey during the years 1870-71. 13 pp, Sacramento (1871)

71a Earthquakes, volcanoes and mountain building. Cambridge. 1871. Reprint, Earthquakes. N Am Rv 108, n s 99:578-610 (1869) Volcanoes. N Am Rv 109, n s 100:231-265 (1869). Volcanoes and mountain-building. N Am Rv 113, n s 104:235-274 (1871)

72 The Owen's Valley earthquake (Cal.). Overland Monthly 9:130-140, 266-278 (1872)

72a On the Owen's Valley earthquake. Am J Sc (3) 4:316-318 (1872)

72b Erläuterungen der Californischen Bacillarien-Gebirge. K-Preuss Ak Wiss Berlin, Mber 1872:124-128

72c State Geological Survey. Overland Monthly 8:79 (January 1872)

73 Statement of the progress of the geological survey of California during the years 1872-3. 14 pp, Sacramento (1873)

73a Geological map of the State of California. Scale, 36 miles to 1 inch. Cal G S (1873) not published

78 California. Encyclopaedia Britannica 9th Edition 4:694-706 (1878)... 10th Edition (1892)

80 The climatic changes of later geological times; a discussion based on observations made in the Cordilleras of North America. Harvard Coll, Mus C Z, Mem 7, no 2:394 pp (1880-82) *Also in* Contributions to American geology, 2

80a The auriferous gravels of the Sierra Nevada of California. Harvard Coll, Mus C Z, Mem 6, no 1:659 pp, maps (1880) Another edition is called Contributions to American geology. (*abst*) Am J Sc (3) 18: 145-148, 233-235 (1879)

82 The Coast Ranges. Cal G S, Geology 2, Appendix: 148 pp, Cambridge (1882)

84 (and **Wadsworth**, M. E.) The Azoic system and its proposed subdivisions. Harvard Coll, Mus C Z, B 7 (g s 1):xvi, 331-565 (1884)

Whitney, Milton.

01 Field operations of the Bureau of Soils. U S Dp Agr, Bur Soils, Rp 2, 1900: 743 pp, 24 maps, 51 pls and figs (1901)... 3, 1901:647 pp, 46 pls, figs, 31 maps (1902)... 5, 1903:1310 pp, 3 pls, figs, 78 maps (1904)... 6, 1904:1159 pp, 1 pl, figs, 53 maps (1905)... 7, 1905:1089 pp, 2 pls, figs, 47 maps (1907)... 9, 1907:1062 pp, 4 pls, figs, 35 maps (1909)... 10, 1908:1428 pp, 37 maps (1911)... 11, 1909: 1756 pp, 24, A pls, figs, 53 maps (1912)... 12, 1910:1772 pp, 29 pls and A-B pls, figs, 43 maps (1912)... 14, 1912:2166 pp, 31 pls and A-D pls, figs, 53 maps (1915)... 15, 1913:2438 pp, 42 pls, figs, 54 maps (1916)... 16, 1914:2850 pp, 89 pls, figs, 65 maps (1919)... 17, 1915:2733 pp, 75 pls, and A-C pls, figs, 65 maps (1919)... 18, 1916:2574 pp, 75 pls and pl A, figs, 61 maps (1921)... 19, 1917:2644 pp, figs, 67 pls and pl A, 59 maps (1923)... 20, 1918:1752 pp, 35 pls, figs, 46 maps (1924)... 21, 1919:1881 pp, 43 pls, and pl A, figs, 45 maps (1925)... 22, 1920: 1665 pp, 33 pls, figs, 48 maps (1925)...

Whitney, Milton—Cont.

23, 1921:1710 pp, 50 pls, figs, maps (1926)... 24, 1922:2138 pp, 69 pls, figs, 54 maps (1928)

05 Report of the Chief of the Bureau of Soils. U S Dp Agr, An Rp for the year ending June 30, 1904:241-269 (1905)

Whitney, P. B.

30 Geophysical notes on California area. Oil Gas J 29:32, 146, 149-150, 153 (December 25, 1930)

Whittlesey, Charles.

69 On the evidences of the antiquity of man in the United States. Am As, Pr 17:268-288 (1869), (California, pp 287)

Wicks, Frank R.

30 Crystalline talc. Operations in California of the Pacific Coast Talc Co. Eng M J 130:319-321 (1930)

Wiedey, Lionel William.

28 Notes on the Vaqueros and Temblor formations of California Miocene with descriptions of new species. San Diego Soc N H, Tr 5:95-182 (1928) (*ann*) An Bib Ec G 1:203 (1928) J Paleontology 4:202 (1930)

29 Revision of the turritellas of the Vaqueros and Temblor Miocene of California. (*abst*) G Soc Am, B 40:261 (1929) Pan Am G 49:318-319 (1928)

29a New Miocene mollusks from California. J Paleontology 3:280-289, 3 pls, 11 figs (1929) (*ann*) An Bib Ec G 2:400 (1929) (*abst*) Nature 121:920 (1928)

29b Some previously unpublished figures of type mollusks from California. The Nautilus, 43, no 1:21-26 (July 1929)

Wieland, G. R.

05 (with **Ward**, Lester Frank, **Fontaine**, W. M., **Bibbins**, Arthur, collaborators) Status of the Mesozoic floras of the United States (second paper) U S G S, Mon 48:616 pp, pls (1905)

29 A new Cycad from the Mariposa Slates. Cal Univ, Dp G, B 18:303-323, 26 figs (1929)

Wikoff, Alan G.

23 Salt. Min Ind 31:633-638, California 633, 634 (1923)... 32:623-627, California 624 (1924)... 33:656-658, California 656 (1925)... 34:642-645, California 642, 645 (1926)... 35: 621-623, California 621 (1927)... 36:538-539, California 538 (1928)... 37:529-562, California 559, 560 (1929)

23a Sodium salts. Min Ind 31:626-633, California 626 (1923)... 32:613-623, California 613-614 (1924)... 33:650-656, California 650 (1925)... 35:616-621, California 616 (1927)

29 Sodium carbonate. Min Ind 37:557-563, California 562 (1929)... 38:582 (1930)

Wilber, F. A.

83 Clays of the United States. U S G S, Min Res, Calendar Year 1882:465-475, California 475 (1883)... 1883-84:676-711, California 678, 702-704 (1885)...

Wilder, Frank A.

14 Gypsum. Min Ind 22:372-381, California 372 (1914)... 26:313-319, California 313 (1918)... 27:343-350, California 344 (1919)... 28:329-336, California 335 (1920)... 30:334-342, California 335-336 (1921)... 32: 325-331, California 325, 326 (1924)... 34:367-371, California 368 (1926)... 35:335-340 California 336 (1927)

Wilhelm, V. H.

22 (and **Case**, J B.) Report on Huntington Beach oil field. Cal St M Bur, Summary of Operations, California Oil Fields, An Rp 9, no 6:5-16, 5 pls (December, 1922)

26 Effect of closing in production demonstrated in Coalinga field. Oil Gas J 24: 208, 210-211 (May 6, 1926)

27 (and **Saunders**, L. W.) Report on the Mt. Poso oil field. Cal St M Bur, Summary of Operations, Cal Oil Fields, 12, no 7:5-12, 2 pls (1927) (*abst*) Eng Index 1927:582 (1928)

27a The possibilities of deeper production in the Coalinga field. Oil Bull 13, no 7:695-699 (July, 1927)

Wilke, R. M.

08 Benitoite and neptunite. Mineral Collector, 14, no 11:167-168 (1908)

Wilkes, Charles.

49 Western America including California and Oregon, with maps of those regions and of "The Sacramento Valley." 130 pp, Chap 16 Geological Structure of Oregon and Upper California, 116-130, Philadelphia (1849)

Willey, Day Allen.

05 The oil fields of the West. Sc Am 93:484-485, 4 figs (1905) G Zentralbl 10: 485 (1908)

06 Borax mining in California. Eng M J 82:633-634, 4 figs (1906) (*abst*) Eng Index 1906:326 (1907)

Williams, Albert, Jr.

83 Asbestos. U S G S, Min Res, Calendar Year 1882:588-589, California 588 (1883)... 1883-84:913-914, California 913 (1885)... 1885:521-522 California 521 (1886)

83a Useful minerals of the United States; division of the Rocky Mountains (cinnabar in California). U S G S, Min Res, 1882:767 (1883)

Williams, Albert, Jr.—Cont.

83b Sulphur. U S G S, Min Res, Calendar Year 1882:578-579 California 578 (1883)

83c Quicksilver. U S G S, Min Res, Calendar Year 1882:387-398, California 387-390, 392, 394-396 (1893)

83d Nitrate of soda. U S G S, Min Res, Calendar Year 1882:599-600 California, 599 (1883)

83e Antimony. U S G S, Min Res, Calendar Year 1882:438-439 California 438 (1883)

83f Gypsum. U S G S, Min Res, Calendar Year 1882:526-531, California 529 (1883)

83g Tin in California. U S G S, Min Res, 1882:434 (1883)

83h Tellurium. U S G S, Min Res, Calendar Year 1882:447 (1883)

83i Coal. U S G S, Min Res, Calendar Year 1882:1-107, California 90-94, 97 (1883) 1883-84:11-143 California 19-24 (1885)

83j Alum. U S G S, Min Res, Calendar Year 1882:606 (1883)... 1883-84:949-950, California 949 (1885)

83k Cement on the Pacific coast. U S G S, Min Res, Calendar Year 1882:463-464 (1883)... 1883-84:674-676 (1885)

83l Platinum. U S G S, Min Res, Calendar Year 1882:442-443, California 442 (1883)... 1883-84:576-580, California 576 (1885)

83m Building stone on the Pacific coast. U S G S, Min Res, Calendar Year 1882: 455-457 (1883)... 1883-84:663-665, California 663-664 (1885)

83n Borax. U S G S, Min Res, Calendar Year 1882:566-567, 570-576 (1883)... 1883-84:859-863, California 859 (1885)

83o Salt. U S G S, Min Res, Calendar Year 1882:532-565, California 547-549 (1883) 1883-84:827-850, California 827, 845-847 (1885)

83p Asphaltum U S G S, Min Res, Calendar Year 1882:605 (1883)... 1883-84:937-938, California 937 (1885)

83q Gold and silver. U S G S, Min Res, Calendar Year 1882:172-185, California 172-175 (1883)... 1883-84:312-321, California 313-315, 318 (1885)

83r Mineral resources of the United States, Calendar Year 1882. U S G S: 813 pp (1883)... 1883 and 1884:1016 pp (1885)... 1885:576 pp (1886)

85 Quicksilver (California) and vermilion. U S G S, Min Res, 1883 and 1884: 492-503 (1885) 1885:284-296 (1886)

85a Bismuth. U S G S, Min Res, Calendar Year 1883-84:654-655, California 655 (1885)

85b Lithographic stone. U S G S, Min Res, Calendar Year 1883-84:935-936 California 935 (1885)

Williams, Albert, Jr.—Cont.

88 Useful minerals of California. U S G S, Min Res, Calendar Year, 1887:703-707 (1888)

88a Statistics of quicksilver (United States). U S G S, An Rp 4:65 (1884)... 7:132 (1888)

Williams, Henry Shaler (1847-1918).

90 North American paleontology for 1887 and 1888. Smiths Inst, An Rp 1888: 261-326 (1890)

95 On the recurrence of Devonian fossils in strata of Carboniferous age. Am J Sc (3), 49:94-101 (1895)

Williams, Howel.

28 A recent volcanic eruption near Lassen Peak, Cal. Cal Univ, Dp G, B 17:241-263, 10 figs (1928) (*abst*) G Zentralbl 39: 24-25 (1929) N Jb 1929, Ref 2:187-188 (1929)

29 Geology of the Marysville Buttes, Cal. Cal Univ, Dp G, B 18:103-220, pls 9-19, 13 figs, 1 map (1929) (*abst*) G Soc Am, B 40:174-175 (1929) Pan Am G 49:312 (1928) (*abst*) G Zentralbl 41:150-151 (1930) (*abst*) Eng Index 1929:879 (1930)

29a The volcanic domes of Lassen Peak and vicinity, Cal. Am J Sc (5) 18:313-330, 5 figs (1929) (*abst*) G Zentralbl 41:449 (1930) (*abst*) G Soc Am, B 41:156 (1930) Pan Am G 51:373-374 (1929)

29b Volcanic plug-domes of Lassen Peak. (Summary statement) Pan Am G, 51:373-374 (1929) (*abst*) G Soc Am, B 41: 156 (1930)

Williams, Ira A.

29 (with **Berkey, C. P.**, **Elliott, G. A.**, **Hinderlider, M. C.**, **Louderback, G. D.**, and **Savage, J. L.**) Report of the Consulting Board on Safety of the Proposed San Gabriel Dam, Los Angeles, Cal. Cal State Dp of Public Works, Div Water Resources Rp: 10 pp (1929)

30 (**Berkey, C. P.**, **Elliott, G. A.**, **Louderback, G. D.** and **Savage, J. L.**) Report of the Consulting Board of the safety of the Mulholland Dam, Hollywood. Cal St, Dp Pub Works, Div Water Resources, Rp: 14 pp (June, 1930) (*ann*) Ann Bibl Ec G 3:430 (1931)

Williams, John H.

11 Tungsten deposits in San Bernardino Co., Cal. M Sc Press 103:545 (1911)

Williams, John Harvey.

14 Yosemite and its high Sierra. 147 pp, Tacoma (1914) 2d edition 194 pp (1921)

Williams, W. G.

93 Gold in California. Col Sch Mines, Q 2, no 1: (June 1893) Zs Prak G 2, 1894: 91-92 (1894)

Williamson, R. S.

50 Exploration of Mount Diablo and the valley lying between this mountain and the southern shore of Suisun Bay. *In* Report of the Secretary of War, U S 31st cong, 1st sess, S Ex Doc 47, part 2:34-37 (1850)

50a Report of the reconnaissance of W. H. Warner of a route through Sierra Nevada by the Upper Sacramento. *In* Report of the Secretary of War, U S 31st cong, 1st sess, S Ex Doc 47, part 2:17-33 (1850)

55 Report of a reconnaissance and survey in California in connection with explorations for a practicable railway route from the Mississippi River to the Pacific Ocean in 1853. U S Pacific R R Expl (U S 33d cong, 1st sess, H Ex Doc 129): 61 pp (1855); also (U S 33d cong, 1st sess, S Ex Doc 78 and H Ex Doc 91) 5, pt 1:43 pp (1856)

Willis, Bailey.

00 Some coast migrations, Santa Lucia Range, Cal. G Soc Am, B 11:417-432, map (1900) (*abst*) Science (n s) 11:99, 221 (1900) (*abst*) G Zentralbl 1:19 (1901)

06 Carte géologique de l'Amérique du Nord; Geological map of North America. 12 pp Mexico (1906) Descriptive text accompanying the map (above); reprinted in French

06a Carte géologique de l'Amérique du Nord, 1906. Scale 1:5,000,000 Prepared for Congrés géologique international Xe session, Mexico (1906)

07 Carte géologique de l'Amérique du Nord. Int G Cong, 10 Mexico, C R:211-225 (1907)

09 Paleogeographic maps of North America. J G 17:203-208, 253-256, 286-288, 342-343, 403-405, 424-428, 503-508, 600-602, 15 paleogeographic maps (1909) G Zentralbl 19:605 (1913)

10 Paleogeographic maps of North America. *In* Outlines of Geologic History: 38-43, 88-91, 121-123, 161-162, 176-181, 196-199, 222-225 (1910)

12 Index to the stratigraphy of North America. U S G S, P P 71:894 pp, map (1912) (*abst*) Wash Ac Sc, J 3:118-119 (1913) (Review) Nature 91:93 (1913)

19 Structure of the Pacific ranges, California. (*abst*, with discussion by R. T. Chamberlin, A. Keith, G. R. Mansfield and G. W. Stose.) G Soc Am, B 30:84-86 (1919)

20 Structure of the coast ranges of California. (*abst*, with discussion) G Soc Am, B 31:193 (1920)

21 Aerial observation of earthquake rifts. Seism Soc Am, B 2:136-139 (1921) Science (n s) 54:266-268 (1921)

Willis, Bailey—Cont.

22 (and **Wood, H. O.**) Fault map of the State of California compiled from data assembled by the Seismological Society of America ... Compilation of faults by Bailey Willis and H. O. Wood. Scale 1: 506-880 (1922)

23 A fault map of California. Seism Soc Am, B 13:1-12, map (1923) (*abst*) N Jb 1925, Band 2, Ref, Abt B:27 (1925)

23a Faults of the Coast Ranges of California. (*abst*, with discussion by G. H. Ashley and the author.) G Soc Am, B 34:58-59 (1923)

23b Fault map of California. G Soc Am, B 34:58 (1923)

23c Earthquake risk in California. Seism Soc Am, B 13, no 3:89-99, 5 figs (September, 1923); no 4:147-154, 1 fig, 1 pl (December, 1923); 14, no 1:9-25, 1 fig, 4 pls (March, 1924); no 2:150-164, 2 figs (June, 1924); no 4:256-264 (December, 1924)

24 (and **Wood, H. O.**) A fault map of California. Science (n s) 59:310-311 (1924)

25 Rocky Mountain structure. J G 33: 272-277, 1 fig (1925)

25a The Santa Barbara earthquake. Science (n s) 62:x (July 10, 1925)

25b A study of the Santa Barbara earthquake of June 29, 1925. Seism Soc Am, B 15:255-278, 1 fig, 2 pls (1925)

25c The Santa Barbara earthquake and local earthquake prospects. Transactions of the Commonwealth Club of California 20, no 6:215-225 (1925)

26 The California orogenic period. (*abst*) Science (n s) 63:484 (1926)

27 Normal faulting on upthrust arches. (*abst*) G Soc Am, B 38:203-204 (1927)

27a Folding or shearing, which? (with discussion by E. Russell Lloyd and W. A. J. M. van Waterschoot van der Gracht) Am As Petroleum G, B 11:31-47 (1927) (*abst*) Rv Geol et Sci conn 8:195-196 (1927)

Willis, C. G.

24 (and **Ferguson, R. N.**) Dynamics of oil-field structure in southern California. Am As Petroleum G, B 8:576-583, 2 figs (1924)

Willis, Robin.

25 Physiography of the California coast ranges. G Soc Am, B 36:641-678, 23 figs (1925) (*abst*) G Soc Am, B 36:143 (1925) Pan Am G 43:146 (1925) G Zentralbl 34: 361 (1927)

25a Topography of active faulting in California. (*abst*) G Soc Am, B 36:143-144 (1925) G Zentralbl 34:314, 316 (1927)

Williston, S. W.

03 Review of J. C. Merriam's "New Ichthyosauria from the Upper Triassic of California." J G 11:515-516 (1903)

Wilson, Alfred W. G.

18 Molybdenum. Min Ind, 25:509-518, California 514 (1917) 26:454-467, California 459 (1918) 27:490-497, California 494, 495 (1919)

Wilson, F. L.

11 The Seneca mining district, California. M Sc Press, 103:682-683, 3 figs (1911) (*abst*) Eng Index 1912:388 (1913)

Wilson, Herbert M. (1860-1920).

97 (with **Renshawe**, J. H., **Douglas**, E. M., and **Goode**, R. U.) Triangulation and spirit leveling. U S G S, An Rp 18, pt 1:131-433, pls ii-iv; California 403-422 (1897)... An Rp 19, pt 1:145-408, California 381-408 (1898)... An Rp 20, pt 1:211-530, California 457-470 (1899)... An Rp 21, pt 1:205-582, California 524-552 (1900)

01 Topographic forms of the United States. Am Geog Soc, B 33:301-304 (1901)

01a (with **Renshawe**, J. H., **Douglas**, E. M., and **Goode**, R. U.) Primary triangulation and primary traverse. Fiscal year 1900-01, U S G S, B 181:240 pp, California 208-223 (1901)... 1901-02 201:164 pp, California 138-155 (1902)

01b (with **Renshawe**, J. H., **Douglas**, E. M., and **Goode**, R. U.) Results of spirit leveling, fiscal year 1900-1901. U S G S, B 185:219 pp, California 155-194 (1901)

Wilson, James S.

54 On the gold regions of California. G Soc, London, Q J 10:308-321, map (1854) M Mag 3:63-64 (1854)

54a California cinnabar mines. G Soc, London, Q J 10:320-321 (1854)

Wilson, M. Estelle.

07 Shore topography near Davenport, Santa Cruz Co. (Cal.). Cal Phys Geog Club, B 1, no 2:11-17 (1907)

Wiltsee, E. A.

93 Some additional Sierra County mines (California). Cal St M Bur, State Mineralogist's Rp 11:413-419 (1893)

93a (and **Hobson**, J. B.) Nevada County. Cal St M Bur, St Mineralogist's (First Biennial) Rp 11:263-318 (1893)

Winchell, Alexander.

88 Some effect of pressure of a continental glacier. Am G 1:139-143 (1888)

Winslow, Arthur.

94 (and **Robertson**, James D.) Lead and zinc deposits. Mo G S, 6 and 7:763 pp, California 187-189. Jefferson City (1894)

Winslow, Charles Frederick (1811-1877).

57 On human remains along with those of *Mastodon* in the drift of California. Boston Soc N H, Pr 6:278-279 (1857) Am J Sc (2) 46:407-408 (1857)

73 (Particulars relating to the discovery of human remains in Table Mountain, Cal.). Boston Soc N H, Pr 15:257-259 (1873)

Winsted, Huldah L.

13 The sea caves at La Jolla, Cal. J Geog 12:125-126 (1913)

Winston, W. B.

10 (and **Janin**, Chas.) Gold dredging in California. Cal St Min Bur, B 57:312 pp (1910)

Wissler, Clark.

16 The present status of the antiquity of man in North America. Sc Mo 2:234-238 (1916)

Wissler, Stanley G.

27 (and **Galloway**, J. J.) Correction of names of foraminifera. J Paleontology 1:193 (1927)

27a (and **Galloway**, J. J.) Pleistocene foraminifera from the Lomita quarry, Palos Verdes Hills, California. J Paleontology 1:35-87, 6 pls, 89 figs (1927) G Zentralbl 42:344 (1930)

Wittich, Ernst.

12 Ueber Meeresschawankungen an der Küste von Kalifornien. Deut G Ges, Zs; Monatsb 11:505-512 (1912)

14 Turmalin. Centralbl Miner. Geol. 1914:449-452 (1914)

14a Beryll. Centralbl Miner. Geol. 1914: 449-452 (1914)

Woakes, Ernest R.

03 Recent developments on the Mother Lode. Eng M J 75:148-149 (1903) Eng Index 4:576 (1906)

Wolf, J. H. G.

11 Surface indications of ore shoots in depth. M Sc Press, 102:824-825, 4 figs, June 17 (1911)

13 The Mother Lode of California. M Sc Press 106:934-938, 983-986, 9 figs (1913) (*abst*) Eng Index 1913:380 (1914)

Wolff, Arthur.

08 Die Erdbeben-Katastrophe in San Franzisko. 39 pp, Berlin (1908)

Wolff, John E.

27 Cloudburst on San Gabriel Peak, Los Angeles Co., Cal. G Soc Am, B 38:443-450, 7 figs (1927) (*abst*) G Zentralbl 41: 317 (1930)

Wolff, John E.—Cont.

28 Cloudburst on April 4, 1926, on San Gabriel Peak, Los Angeles Co., Cal., and its erosion effects (*abst*). G Soc Am, B 39:266 (1928)

30 Dumortierite from Imperial County. Am Mineralogist 15:188-193, 1 fig (1930)

Wood, B. D.

12 (under direction of J. C. Hoyt) Gazetteer of surface waters of California. Part 1, Sacramento River Basin. U S G S, W-S P 295:99 pp (1912)

12a (under direction of J. C. Hoyt) Gazetteer of surface waters of California. Part 2, San Joaquin River Basin. U S G S, W-S P 296:102 pp (1912)

13 (under direction of J. C. Hoyt) Gazetteer of surface waters of California. Part 3, Pacific coast and Great Basin streams. U S G S, W-S P 297:244 pp (1913)

16 Stream-gaging stations and publications relating to water resources, 1885-1913. Part 11: Pacific coast basins in California. U S G S, W-S P 340:131-146, i-xxiv (1916)

Wood, H. O.

10 California earthquakes, a synthetic study of the recorded shocks. (*abst*) G Soc Am, B 21:791 (1910)

11 (with **Davidson**, G., **McAdie**, A., **Townley**, S. D., and others) Notes on the California earthquake of July 1, 1911. Seism Soc Am, B 1:110-121 (1911)

12 The registration of earthquakes at the Berkeley station from October 30, 1910, to March 31, 1911. Cal Univ, Seism Sta, B, 1, no 1:1-10 (1912)... April 1 to September 30, 1911, and at the Lick Observatory station from May 23 to September 30, 1911; no 2:11-48 (1912)... October 1, 1911, to March 31, 1912; no 3:49-67 (1912)

12a On the region of origin of the central California earthquakes of July, August and September, 1911. Seism Soc Am, B 2:31-39 (1912)

15 On a possible causal mechanism for heave-fault slipping in the California coast range region. Seism Soc Am, B 5: 214-229 (1915) (*abst*) G Soc Am, B 26:404 (1915)

16 California earthquakes; a synthetic study of recorded shocks. Seism Soc Am, B 6:55-180, map (1916)

16a The earthquake problem in the western United States. Seism Soc Am, B 6:197-217 (1916)

18 The study of earthquakes in southern California. Seism Soc Am, B 8:28-33 (1918)

22 (with **Willis**, Bailey). Fault map of the State of California compiled from data assembled by the Seismological Society of America. Compilation of faults by Bailey Willis and H. O. Wood. Scale 1:506, 880 (1922)

Wood, H. O.—Cont.

24 (and **Willis**, Bailey) A fault map of California. Science (n s) 59:310, 311 (1924)

30 (and **Buwalda**, J. P.) Horizontal displacement along the San Andreas fault in Carriso Plain, Calif. (*abst*) Pan Am G 54:75 (1930)

Woodford, Alfred Oswald.

24 The Catalina metamorphic facies of the Franciscan series. Cal Univ, Dp G, B 15:49-68, 2 figs, 3 pls (1924) (*abst*) G Zentralbl 33:98 (1926)

25 The San Onofre breccia; its nature and origin. Cal Univ, Dp G, B 15:159-280, 11 figs, 13 pls (inc maps), (1925) (*abst*) G Zentralbl 33:109 (1926)

27 (and **Clark**, B. L.). The geology and paleontology of the type section of the Meganos formation (Lower-Middle Eocene) of California. Cal Univ, Dp G, B 17:63-142, 9 pls, 1 map (1927) (*abst*) G Zentralbl 39:49 (1929) (*abst*) Eng Index 1928:868 (1929)

28 (and **Bailey**, T. L.) Northwestern continuation of the San Onofre breccia. Cal Univ, Dp G, B 17:187-191, 1 fig (1928) G Zentralbl 39:48 (1929) (*abst*) Eng Index 1928:868 (1929)

28a (and **Harriss**, T. F.) Geology of Blackhawk Canyon, San Bernardino Mountains, California. (*abst*) G Soc Am, B 39:268 (1928) Cal Univ, Dp G, B 17: 265-304, 6 pls, 4 figs (1928) (*abst*) G Zentralbl 41:151 (1930) (*abst*) Eng Index 1928: 868 (1929)

29 (and **Laudermilk**, J. D.) Soda-anthophyllite asbestos from California. (Summary statement) Pan Am G 51:371 (1929) (*abst*) G Soc Am, B 41:153 (1930)

30 (and **Buddenhagen**, H. J., **Hill**, M. L. and **Hudson**, F. S.) Typical locality of a fault. Am As Petroleum G, B 14:797-798 (1930)

30a (and **Laudermilk**, J. D.) Soda-rich anthophyllite asbestos from Trinity County. Am Mineralogist 15:259-262 (1930)

Woodring, Wendell Phillips.

26 Pliocene *Viviparus*-like opercula from California. Nautilus, 39:109-111 (April, 1926) (*abst*) G Zentralbl 35:175 (1927)

26a American Tertiary mollusks of the genus Clementia. U S G S, P P 147:25-49, pls 14-17 (1926) (*abst*) G Zentralbl 36:202 (1927) Rv Geol et Sci conn 8:301 (1927)

27 (and **Roundy**, P. V.) Geology and oil development of the Elk Hills, Cal.

Woodring, Wendell Phillips—Cont.

(*abst*) Wash Ac Sc, J 17, no 10:271-272 (1927)

29 Age of Modelo Formation of Santa Monica Mountains. (Summary statement) Pan Am G 51:373 (1929) (*abst*) G Soc Am, B 41:155 (1930)

29a Warm water Pliocene faunas from San Pedro. (Summary statement) Pan Am G 52:156-157 (1929) (*abst*) G Soc Am, B 41:211-212 (1930)

30 Upper Eocene Orbitoid foraminifera from the western Santa Ynez Range, California, and their stratigraphic significance. San Diego Soc N H, Tr 6:145-170, 5 pls (1930)

30a Pliocene deposits north of Simi Valley, California. Cal Ac Sc, Pr (4) 19:57-64 (1930)

Woodruff, Elmer Grant.

19 Petroliferous provinces. Am I M Eng, B 150:907-912, 1 fig. (June, 1919), discussion by Irving Perrine and C. W. Washburne, B 156:3146-3147, (December 1919). Tr 65:199-216, 1 fig (1921)

Woodward, Anthony.

89 Preliminary list of the Foraminifera from the post-Pliocene sand at Santa Barbara, Cal. N Y Micro Soc, J 5:24-25 (1889)

Woolsey, W. J.

22 Asbestos in California. Pacific Mining News, 1:104-106, 4 figs (August, 1922)

Wray, J. C.

21 The Rand silver zone. M Oil B 7, no 13:783-786 (1921)

Wright, Frederick Bennett.

00 Erosion of mountains in southern California. Am G 25:326-327 (1900)

Wright, Fred Eugene.

16 Note on the lithophysae in a specimen of obsidian from California. Wash Ac Sc, J 6:367-369 (1916) Min Absts 2:78 (1923) (*abst*) G Zentralbl 25:515 (1921)

25 (and **Allen,** E. T.) Curtsite, a new organic mineral from Skaggs Springs, Sonoma Co., Cal. (*abst*) Am Mineralogist 11:67 (1925) Min Absts 2:239 (1927) Am Mineralogist 15:169-173 (1930) Min Absts 4:348 (1930)

Wright, George Frederick (1838-1921).

89 The Ice Age in North America, and its bearing upon the antiquity of man, by G. Frederick Wright; with an appendix on the probable cause of glaciation, by Warren Upham, New York 1889. 622 pp, maps and many illustrations.

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91 Additional notes concerning the Nampa image. Boston Soc N H, Pr 25:242-246 (1891)

92 The lava beds of California and Idaho and their relation to the antiquity of man. (*abst*) Brit As, Rp 61:651 (1892)

93 The evidence of glacial man in America. (*abst*) Am G 12:173-174 (1893)

93a Recent volcanic eruption in California. Am Nat 27:813-816 (1893)

05 Recent date of lava flows in California. Records of the Past 4:195-198 (1905)

08 The latest concerning prehistoric man in California. Records of the Past 7:183-187 (1908)

Wright, J. W. A.

83 The distant Sierra. M Sc Press 47:286, 292-293 (1883)

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14 A journey to Lassen Peak (Cal.). Eng M J 98:97-100 (1914)

15 Seneca mining district, Cal. Eng M J 99:1072-1074, map (1915)

Wu, Chin Chuan.

30 (and **Trask,** P. D.) Free sulphur in recent sediments. (*abst*) G Soc Am, B 41:89-90 (1930) (*abst*) Pan Am G 53:132 (1930)

30a (and **Trask,** P. D.) Analyses of oil and gas from distillation of recent sediments. Ec G 25:235-241 (1930) G Zentralbl 43:98 (1930) (*ann*) Ann Bibl Ec G 3:135 (1931)

30b (and **Trask,** Parker D.) Does oil form in sediments at time of deposition? Am As Petroleum G, B 14:1451-1463 (1930) Ann Bibl Ec G 3:386-387 (1931)

Wyman, L. E.

18 Notes on the Pleistocene fossils from Rancho La Brea asphalt pits, Los Angeles Co. (Cal.). Mus ... Dp N Sc, Misc Pub no 2:35 pp, il (1918)

Yabe, H.

21 (and **Shimizu,** S.) Notes on some Cretaceous ammonites from Japan and California. Tôhoku Imp Univ. Sc Rp (Geology) (2) 5:51-59, pls, figs (1921) (*abst*) N Jb 1922 Band 2:203-204 (1922)

Yale, Charles Gregory.

74 Quicksilver in California. *In* R. W. Raymond Sixth Report on Mineral Resources of the States and Territories west of the Mississippi. 1873:27-39 (1874)

75 Quicksilver product of California for 1874. *In* Raymond, Mines and mining in the States and Territories west of the Rocky Mountains, Seventh An Rp (for 1874):493 (1875)

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81 Auriferous gravel—a theory of its formation. *In* H. C. Burchard, Report of the U S Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1880:376-379 (1881)

81a (and **Skidmore, W. A.**) Production of gold and silver in California. *In* H. C. Burchard, Report of the Director of the Mint upon the statistics of the production of the precious metals in the United States for the Calendar Year 1880:11-90 (1881)

85 Iron on the Pacific Coast, U S G S, Min Res, Calendar Year 1883-84:286-290, California 286-287 (1885)... 1885:196-199, California 197-199 (1886)

92 Borax. U S G S, Min Res, Calendar Year 1889-90:494-506, California 494-506 (1892)... 1903:1017-1028, California 1017-1020, 1022-1024, 1026 (1904)... 1904:1017-1028, California 1017-1019, 1021-1023 (1905)... 1905:1091-1096, California 1091-1095 (1906)... 1906:1059-1062, California 1059-1061 (1907)... 1907:631-635, California 631-635 (1908)... 1908:603-605, California 603-605 (1909)... 1909:631-632, California 631-632 (1911)... 1910:701-702, California 701-702 (1911)... 1911:857-860, California 857-860 (1912)... 1915:1017-1018, California 1017-1018 (1917)

94 Mineral production of California by counties for the year 1894. Cal St M Bur, B 7: Tabulated sheet (1894)... 1895; 8: Tabulated sheet (1895)... 1896; 12: Tabulated sheet (1896)... 1897; 13: Tabulated sheet (1897)... 1898; 14: Tabulated sheet (1898)... 1899; 17: Tabulated sheet (1899)... 1900; 21: Tabulated sheet (1900)... 1901; 25: Tabulated sheet (1901)... 1902; 28: Tabulated sheet (1902)... 1903; 33: Tabulated sheet (1903)... 1904; 39: Tabulated sheet (1903)... 1905; 42: Tabulated sheet (1905)... 1906; 47: Tabulated sheet (1906)

95 Magnesite. U S G S, An Rp 16, pt 4:514-516, California 514-516 (1895)

99 The mineral industry of California. *In* California mines and minerals (pub by Miners' Association): 1-56, San Francisco, Cal (1899)

00 Mineral production of California for fourteen years. Cal St M Bur, B 22: Tabulated sheet (1900)

02 Mineral production of California for the past fifteen years. Cal St M Bur, B 26: Tabulated sheet (1902)

04 Magnesite. U S G S, Min Res, Calendar Year 1903:1131-1135, California 1131-1135 (1904)... 1904:1169-1174, California 1169-1170, 1172-1174 (1905)... 1905:1273-1278, California 1273-1274, 1276 (1906)... 1906: 1145-1147, California 1145-1146 (1907)... 1907:737-740, California 737-738, 740 (1908)... 1908:739-741, California 739-740 (1909)... 1909:841-843, California 841-843 (1911)... 1910:911-914, California 911-912 (1911)... 1915:1019-1026, California 1019-1024 (1917)... 1921:83-88, California 83-87 (1924)

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04a Mineral production of California for seventeen years. Cal St M Bur, B 34: Tabulated sheet (1904)

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04c Gold and silver in California. U S G S, Min Res, Calendar Year 1903:172-176 (1904)... 1904:165-177 (1905)... 1905:162-185 (1906)... 1906:178-198 (1907)... 1907:187-234 (1908)... 1908:314-359 (1909)... 1909:259-290 (1911)... 1910:347-384, (1911)... 1911:462-505 (1912)... 1913:459-507 (1914)... 1914:353-400 (1916)... 1915:207-246 (1917)... 1916:215-255 (1919)... 1917:203-241 (1920)... 1918:405-445 (1921)... 1919:181-215 (1922)... 1920:157-186 (1922)... 1921:167-196 (1924)

04d California. Eng M J 77:37-38 (1904) Eng Index 4:792 (1906)

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06c Quicksilver mining in California. Min Ind 14:503-506 (1906)

06d The mining industries of California. Eng M J 81:19-20 (1906)

06e Gold and silver in California. Min Ind, 14:221-223 (1906)

07 Quicksilver in California. M Sc Press 94:22 (1907)

07a Quicksilver in California. Min Ind 15:675-676 (1907)

07b General index to publications of the California State Mining Bureau. Cal St M Bur, B 46:7-42 (1907)

07c Mining in California in 1906. Eng M J 83:33-34 (1907)

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08 Chromium and chrome ore. Min Ind, 16:171-172, California 171 (1908)

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08a Quicksilver in California. Min Ind 16:814 (1908)

08b Quicksilver in California. Eng M J 85:89 (1908)

08c Gold and silver production in California in 1907. Eng M J 86:579 (1908)

08d Magnesite in California. Eng M J 85:110 (1908)

08e Chrome ore in California. Eng M J 85:101 (1908)

12 Gold production in California. Am I M Eng, Tr 42:847-851 (1912) B 63:261-265 (1912) *(abst)* Eng Index 1912:388 (1913)

13 (and **Gale,** Hoyt S.) Borax. U S G S, Min Res, Calendar Year 1912:839-846, California 839-843 (1913)... 1913:521-536, California 521-522 (1914)... 1914:285-290, California 285-287 (1916)... 1916:387-389, California 387-388 (1919)

13a Dry placers in California. U S G S, Min Res, Calendar Year 1912:262-263 (1913)

13b Beach mining in California. U S G S, Min Res, Calendar Year 1912:253-254 (1913)

13c Precious and semi-precious metals. U S G S, Min Res, Calendar Year 1912: 569-634 (1913)

13d (and **Gale,** Hoyt S.) Magnesite. U S G S, Min Res, Calendar Year 1912:1071-1077, California 1071-1076 (1913)... 1913: 441-454, California 441-443 (1914)... 1914: 569-586, California 569-571, 575, 577-581 (1916)... 1916:391-401, California 391-397 (1919)

20 (and **Stone,** R. W.) Magnesite. U S G S, Min Res, Calendar Year 1917:63-79, California 63-71 (1920)... 1918:141-158, California 143-144, 146-148, 151-152 (1921)... 1919:227-235, California 227, 230-233, 234-235 (1922)... 1920:1-16, California 1, 5-9 (1923)

20a California metal production in 1919. M Sc Press 120:91 (1920)

Yarrow, H. C.

73 Explorations west of the 100th meridian. Am J Sc (3) 5:290-291 (1873)

Yarza, Ramon Adan de.

83 Los criaderos de cinabrio de California, Nevada y Virginia. Revista Minera y Metallurgica, Ser C 1:89 (1883) North England Inst Min Mec Eng. Tr 33 (abstracts of foreign papers): 37 (1884)

Yates, Lorenzo Gordin.

74 (Mammalian fossils in California.) Ac N Sc, Phila, Pr 1874:18-21 *(abst)* Am J Sc (3) 8:143 (1874) G Rec 1874:282 (1875)

86 Catalogue of minerals in Lorenzo G. Yates' collection, Santa Barbara, Cal. 71 pp, Santa Barbara, Cal (1886)

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87 Fossil botany. West Am Sc 3:180-181, 201-203, 213-215 (1887); 4:20-22 (1888)

90 Notes on the geology and scenery of the islands forming the southern line of the Santa Barbara Channel. Am G 5:43-52 (1890)

90a Stray notes on the geology of the Channel Islands. Cal St M Bur St Mineralogist's An Rp 9:171-174 (1890)

92 Peculiar geologic processes on the Channel Islands of California. *(abst)* G Soc Am, B 3:133 (1892)

02 Prehistoric California; its topography, flora and fauna... S Cal Ac Sc, B 1:81-86, 97-100, 113-118, 129-137 (1902); 2:17-22, 44-51, 74-75, 87-93, 97-101, 113-118, 145-155, il (1903); 3:6-10 (1904) *(abst)* G Zentralbl 9:707 (1907)

Yermoloff, Nicholas.

20 The diatomaceous earth of Lompoc, Santa Barbara Co., Cal. G Mag 57:271-277 (1920) *(abst)* G Zentralbl 26:454 (1921)

Young, George Joseph.

14 Potash salts and other salines in the Great Basin region. U S Dp Agr, B 61:96 pp (1914)

18 The sink of the Amargosa (Death Valley, Inyo Co., Cal.). Eng M J 105:985-986 (1918) Chemical Absts 12:1537 (1918)

20 California mining in 1919. Eng M J 109:159-160, 437-447, il (1920)

21 Gold mining in Carson Hill, California. Eng M J 112:725-729, il (1921) *(abst)* G Zentralbl 29:197 (1923)

22 Collapse of mountain summits. Sierra Club B 11:290-291 (1922)

24 Mining in the Mother Lode region of California. Eng M J 118:64-66 (1924)

25 Quarrying limestone by glory holes. Eng M J-Press 120:13-16, 7 figs, 249-253, 5 figs (1925) *(abst)* G Zentralbl 37:75 (1928)

25a Mines and minerals of Inyo Co., Cal. Eng M J-Press 120:969-972 (1925) G Zentralbl 37:228 (1928) *(abst)* Eng Index 1925:491 (1926)

25b Magnesite mining at Red Mountain, California. Eng M J 120:178-180 (1925) *(abst)* G Zentralbl 37:74 (1928)

26 Mining tungsten at Pine Creek. Eng M J 121:605-606, 3 pls (1926) Rv Geol et Sci conn 7:455-456 (1926)

27 California gold dredge in operation over twenty years. Eng M J 121:1042-1046 (1927) *(abst)* G Zentralbl 36:176 (1927)

29 Making a 30-ton California gold mine pay. Eng M J 127, no 2:45-48 (January 12, 1929) *(ann)* An Bib Ec G 2:65 (1929) *(abst)* G Zentralbl 40:422 (1929)

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29a Driving the Claremont tunnel. Eng M J 127:832-834 (1929) (*abst*) G Zentralbl 41:327 (1930)

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26 Kern River discovery opens boom. California Oil World 18:22 (January 21, 1926)

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01 The Coalinga oil field, California. Eng M J 71:403-404 (1901)

01a Submarine oil wells in California. Eng M J 71:54 (1901) (*abst*) Inst M Eng, Tr 23:729 (1903)

02 The present condition of the oil industry of California. Eng M J 74:545-546 (1902)

Youngs, F. O.

28 (and **Kocher**, A. E.) Soil survey of Palo Verde area, Cal. U S Dp Agr, Bur Soils, Field Operations for 1922, Rp 24: 571-625, pls 17-19, map 17 (1928)

29 (with **Carpenter**, E. J., and **Kocher**, A. E.) Soil survey of King City area, California. U S Dp of Agr, Bur Chem and Soils, Ser 1924, no 24:63 pp, 1 pl, 1 fig, 1 map (1929)

Zalinski, Edward R.

07 Some notes on Greenwater; the new copper district of California. Eng M J 83:77-82 (1907) (*abst*) Eng Index 1907: 306 (1908)

Zepharovich, V. von.

85 (with **Moore**, G. E.) Kallait pseudomorph nach Apatit aus Californien. Zs Kryst 10:240-251 (1885)

Ziegler, Victor.

14 Lithia. Min Ind 22:481-482, California 481-482 (1914)... 23:499-500, California 499-500 (1915)

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19 (with **Guernsey**, J. E., **Koeber**, James, **Eckmann**, E. C., and **Lapham**, Macy H.) Soil survey of the Honey Lake area, California. U S Dp Agr, Bur Soils, 1915, Rp 17:2255-2314, pls (nos 56-57) and pl C, map (no 60), (1919)

19a (with **Dean**, W. C., **Watson**, E. B., **Pendleton**, R. L., and **Lapham**, M. H.) Soil survey of the Healdsburg area, California. U S Dp Agr, Bur Soils, Rp 17: 2199-2253, pls 50-54, map 59 (1919)

19b (with **Eckmann**, E. C., and **Lapham**, M. H.) Soil survey of the Pasadena area, California. U S Dp Agr, Bur Soils, Rp 17:2315-2366, pls 58-60, map 61 (1919)

19c (with **Harrington**, G. L., **Holmes**, L. C., **Guernsey**, J. E., **Eckmann**, E. C., and **Lapham**, M. H.) Soil survey of the San Fernando Valley area, California. U S Dp Agr, Bur Soils, Rp 17:2451-2507, pls 65-68, map 63 (1919)

21 (with **Nelson**, J. W., **Strahorn**, A. T., **Watson**, E. B., **Dunn**, J. E., and **Lapham**, Macy H.) Soil survey of the Los Angeles area, California. U S Dp Agr, Bur Soils, Rp 18:2347-2420, pls 66-68, map 59 (1921)

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18 Zinc. Min Ind, 26:734-757, California 735, 742 (1918)... 27:746-770, California 754 (1919)... 28:720-743, California 728-729 (1920)... 29:713-739, California 722-723 (1921)... 30:710-733, California 710 (1922)... 31:718-749, California 719, 725 (1923)... 32: 697-727, California 698, 706 (1924)... 33: 723-751, California 726, 733 (1925)... 34: 713-746, California 717, 724-725 (1926)... 35:695-726, California 704-705 (1927)... 36: 605-629, California 611, 612 (1928)... 37: 622-650, California 627 (1929)

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oil refining absorbents: (80) Davis, C. W. 29
Fumaroles, Geysers: (81) Day, A. L. 24
Furnace Creek copper mines: (191) Nicholas, F. C. 07
Death Valley: (102) Foshag, W. F. 24a
priceite: (102) Foshag, W. F. 24b
Fusulinas, North America: (225) Staff, H. von. 12
Gabbro, orbicular, Dehesa: (115) Hamilton, W. R. 04; (151) Lawson, A. C. 04
Pala, San Diego County: (215) Schaller, W. T. 11e
Gabilan Mesa, wind and soil: (206) Reed, R. D. 27a
Gallium, lepidolite: (56) Brewer, F. M. 29
Garnet: (69) Clarke, F. W. 95; (146) Kunz, G. F. 97, 05a; (216) Schaller, W. T. 17f; (222) Smith, J. L. 74; (227) Sterrett, D. B. 08
sand, mouth Sur River, Monterey County: (240) Trask, P. D. 24
Gas, analyses: (262) Wu, C. C. 30a
conservation: (61) Bush, R. D. 28b
Kettleman Hills: (46) Bell, A. H. 30
Ventura field: (235) Swigart, T. E. 28b
field, Buttonwillow: (188) Musser, E. H. 30
classification: (66) Clapp, F. G. 17
Gas, field—Cont.
Tulare Lake: (164) McLaughlin, R. P. 19a
geochemical relation: (211) Rogers, G. S. 19
illuminating and fuel, by-products: (200) Phillips, W. B. 99
natural: (96) Elschner, C. 23; (112) Griswold, W. T. 06; (125) Hill, B. 07; (131) Hopkins, G. R. 28; (162) McBride, R. S. 24; (169) Matteson, W. G. 14; (192) Northrop, J. D. 16a; (193) Oliphant, F. H. 98, 01a; (208) Richardson, G. B. 25; (220) Sievers, E. G. 21
gasoline: (192) Northrop, J. D. 16b
geology: (66) Clapp, F. G. 13
great valley: (74) Cooper, A. S. 11, 11a
production and utilization: (57) Brown, C. C. 29
prevention of waste: (40) Arnold, R. 13a
production: (185) M Sc Press, 19f
prospects, Buttonwillow: (100) Ferguson, R. N. 22
resources, conservation: (40) Arnold, R. 16, 17a; (164) McLaughlin, R. P. 20
Santa Barbara County: (251) Watts, W. L. 97
Ventura Avenue field: (238) Thoms, C. C. 20
County: (251) Watts, W. L. 97
field: (238) Thoms, C. C. 26
well, breathing, Santa Lucia range: (98) Fairbanks, H. W. 96c
Summerland: (253) Wheelan, F. H. 90
yielding formations: (251) Watts, W. L. 94, 01
fossils: (172) Merriam, J. C. 00
Los Angeles County: (251) Watts, W. L. 97
Gasoline, natural: (218) Seeley, E. M. 27, 30
gas: (131) Hopkins, G. R. 28c; (192) Northrop, J. D. 16b; (208) Richardson, G. B. 25a, 27b; (220) Sievers, E. G. 21a
Gastropods, Agasoma-like, Tertiary: (97) English, W. A. 14a
Gabb's California type: (228) Stewart, R. B. 26
Rimella-like: (195) Palmer, D. B. K. 23a
Gaylussite, Borax Lake, San Bernardino County: (201) Pratt,, J. H. 96
San Bernardino County: (117) Hanks, H. G. 92
Gems: (101) Fisher, H. 03a; (103) Foshag, W. F. 29; (147) Kunz, G. F. 05c; (230) Stoddard, B. H. 22a
districts, San Diego County: (155) Lestrange, C. M. 10
mineral, benitoite, occurrence: (40) Arnold, R. 08f
southern California: (147) Kunz, G. F. 04a
mining: (169) Martin, A. H. 10b
southern California: (225) Sovereign, L. D. 05
Genoa, Nevada, fault scarps: (152) Lawson, A. C. 12a
Geochemical relation, oil, gas, water: (211) Rogers, G. S. 19
waters, Huntington Beach field: (112) Grizzle, M. A. 23

Geodetic study, San Francisco earthquake: (121) Hayford, J. F. 09
Geographic centers, U. S. and several states: (89) Douglas, E. M. 23
  cycle in arid climate: (141) Keyes, C. R. 12
  nomenclature: (126) Hill, R. T. 23a
  positions in U. S.: (107) Gannett, H. 95
  reconnaissance, lower Gila region, Arizona: (212) Ross, C. P. 23
  relations, Triassic: (223) Smith, J. P. 98a
Geographical distribution, animals: (121) Heilprin, A. 87
    fossil plants: (248) Ward, L. F. 89
    gold and silver: (168) Marcou, J. 67
    mining districts: (205) Raymond, R. W. 73c
    precious metals and minerals: (49) Blake, W. P. 66, 66a
  memoir, Upper California: (103) Fremont, J. C. 48
  surveys, west 100th meridian: (253) Wheeler, G. M. 75, 76, 77, 78, 79, 80, 84
Geography: (99) Fairbanks, H. W. 03a, 11, 20; (106) Gannett, H. 85a; (246) Wagner, H. R. 26
  class: (99) Fairbanks, H. W. 08
  faunal, Mesozoic changes: (223) Smith, J. P. 95a
  industrial: (125) Hilgard, E. W. 93
  North America: (99) Fairbanks, H. W. 27
  physical: (79) Dana, J. D. 49b; (125) Hilgard, E. W. 93
    Mount Shasta region: (119) Hardesty, W. P. 15
  southeastern Idaho: (166) Mansfield, G. R. 27c
Geologic age, Modelo formation: (76) Craig, E. K. 29
  chart, ancient river beds: (36) Alling, M. N. 23
  evidence, Inglewood earthquake: (141) Kew, W. S. W. 23a
  features, San Joaquin Valley, south: (130) Hoots, H. W. 27b
    San Pedro Hills, Los Angeles County: (141) Kew, W. S. W. 26a
    southeastern California: (79) Darton, N. H. 16
  formations: (223) Smith, J. P. 16
    names: (43) Bailey, G. E. 23
      North American: (252) Weeks, F. B. 02
    southern California: (141) Kew, W. S. W. 23
  history: (223) Smith, J. P. 09
    Lake Lahontan: (137) Jones, J. C. 25
    Lassen Peak: (88) Diller, J. S. 16c
    Sierra Nevada: (108) Gilbert, G. K. 87
  map, California: (223) Smith, J. P. 16a
    United States: (201) Powell, J. W. 93a
    Weaverville quadrangle: (98) Erich, E. E. 30
  notes, Santa Susanna district: (137) Johnson, H. R. 13
  processes, Channel Islands: (264) Yates, L. G. 92
  range, Miocene invertebrate fossils: (223) Smith, J. P. 12b
    Pacific coast echinoids: (141) Kew, W. S. W. 18
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  reconnaissance, Arizona, western: (154) Lee, W. T. 08
    Gila region, lower Arizona: (212) Ross, C. P. 23
    Inyo range: (144) Knopf, A. 18
  record: (223) Smith, J. P. 10
  section, Coast Ranges: (160) Louderback, G. D. 24
    Salinas Valley, middle: (191) Nicholls, W. M. 25
    San Joaquin Valley: (118) Hanna, G. D. 27
    Sierra Nevada, southern: (179) Miller, W. J. 30
  sketch, Santa Rosa Island, Santa Barbara County: (141) Kew, W. S. W. 27, 28
  structure, accumulation of petroleum: (67) Clapp, F. G. 29
    oil districts, California and Wyoming: (244) Van Orstrand, C. E. 26
  study, magmatic copper sulphide deposit, Plumas County: (210) Rogers, A. F. 14b
    migration, marine invertebrates: (223) Smith, J. P. 95
  summary, oil fields: (141) Kew, W. S. W. 26
  surveys, gold belt: (140) Kerr, M. B. 96
  time: (184) M Sc Press, 93a
    scale: (41) Ashley, G. H. 23
  units of California*
    Abrams mica schist. Pre-Cambrian: (122) Hershey, O. H. 01
    Alameda formation. Pleistocene: (152) Lawson, A. C. 14a
    Amargosan series. Alameda formation. Pleistocene: (141) Keyes, C. R. 23
    Anzar phase (Santa Lucia series). Paleozoic (provisionally): (216) Schenck, H. G. 25
    Archean. Johannesburg gneiss: (133) Hulin, C. D. 25
      Rand schist: (133) Hulin, C. D. 25
    Arlington formation. Mississippian: (86) Diller, J. S. 92a, 08
    Arrastre quartzite. Lower Cambrian, probably: (245) Vaughan, F. E. 22
    Ashton zone. Pliocene and lower Pleistocene: (108) Gester, S. H. 24
    Asphalto lake bed. Pliocene: (75) Cooper, J. G. 94a
    Atascadero formation. Upper Cretaceous: (99) Fairbanks, H. W. 04
    Atlas formation. Quaternary (?): (152) Lawson, A. C. 06a
    Atolia quartz monzonite. Jurassic (?): (133) Hulin, C. D. 25
    Avenal sandstones. Eocene: (37) Anderson, F. M. 05; (98) Estorff, F. E. 30
    Bagley andesite. Lower (?) Jurassic: (87) Diller, J. S. 06
    Baird shale. Mississippian: (87) Diller, J. S. 06; (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a.

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*The names of geological units given below are from U. S. Geological Survey Bulletin 826, Names and definitions of the geologic units of California, by M. Grace Wilmarth (1931).

Geologic units—Cont.
  Balaklala rhyolite. Jurassic (?): **(87)** Diller, J. S. 06; **(111)** Graton, L. C. 10
  Bald Peak basalt. Pliocene: **(151)** Lawson, A. C. 02a
  Barstow formation. Miocene (upper): **(122)** Hershey, O. H. 02b; **(175)** Merriam, J. C. 15f, 19
  Bass Mountain diabase. Mississippian: **(87)** Diller, J. S. 06
  Bautista beds. Pleistocene: **(104)** Frick, C. 21
  Bear River series. Miocene: **(225)** Stalder, W. 15
  Bend formation. Middle and lower Jurassic: **(86)** Diller, J. S. 92, 95; **(98)** Fairbanks, H. W. 94e; **(222)** Smith, J. P. 94a
  Berkeley group. Pliocene: **(151)** Lawson, A. C. 02a, 14a
  Bicknell sandstone. Upper Jurassic: **(86)** Diller, J. S. 92a, 08
    tuff, Upper Jurassic: **(133)** Hyatt, A. 92
  Big Blue serpentinous member. Miocene: **(38)** Anderson, R. 15
  Blackhawk breccia. Pleistocene: **(261)** Woodford, A. O. 28a
  Black Mountain basalt flow. Tertiary or Quaternary: **(43)** Baker, C. L. 12; **(133)** Hulin, C. D. 25
    volcanics. Probably upper Triassic or Jurassic: **(118)** Hanna, M. A. 26
  Blue Canyon formation. Mississippian: **(100)** Ferguson, H. G. 29a; **(156)** Lindgren, W. 00
    chert series. Devonian (?): **(123)** Hershey, O. H. 06
  Bodega Bay deposits. Quaternary: **(194)** Osmont, V. C. 05
    diorite. Jurassic (?) (pre-Franciscan): **(194)** Osmont, V. C. 05
  Bolinas sandstone. Jurassic (?): **(39)** Arnold, R. 02a; **(151)** Lawson, A. C. 03, 14
  Bonita sandstone. Jurassic (?): **(39)** Arnold, R. 02a; **(151)** Lawson, A. C. 03, 14
  Bouquet Canon breccia. Probably Miocene: **(261)** Woodford, A. O. 25
  Bradgon formation. Mississippian: **(87)** Diller, J. S. 06; **(122)** Hershey, O. H. 01
  Bridalveil granite. Probably Cretaceous: **(242)** Turner, H. W. 99
  Briones sandstone. Miocene (upper): **(152)** Lawson, A. C. 14a
  Brock shale. Upper Triassic: **(87)** Diller, J. S. 06
  Bully Hill rhyolite. Jurassic (?): **(87)** Diller, J. S. 06; **(111)** Graton, L. C. 10
    volcanics. Carboniferous and Triassic: **(87)** Diller, J. S. 05
  Butano sandstone. Oligocene (?) (may be Eocene): **(56)** Branner, J. C. 09
  Butte gravels. Eocene (middle): **(258)** Williams, H. 29
  Button beds. Miocene: **(37)** Anderson, F. M. 05
  Cabezon fanglomerate. Quaternary: **(245)** Vaughan, F. E. 22

Geologic units—Cont.
  Cable formation (or lake beds). Quaternary (?): **(152)** Lawson, A. C. 06a
  Cache Lake beds. Pliocene: **(46)** Becker, G. F. 88
  Cactus granite. Probably late Jurassic: **(245)** Vaughan, F. E. 22
  Cahil sandstone. Jurassic (?): **(152)** Lawson, A. C. 14
  Calaveras formation (also *group*). Mississippian: **(241)** Turner, H. W. 93a, 93b, 94
  Calera limestone member. Jurassic (?): **(39)** Arnold, R. 02a; **(151)** Lawson, A. C. 03, 14a
  Cambrian, lower, probably. Arrastre quartzite: **(245)** Vaughan, F. E. 22
      Campito sandstone: **(143)** Kirk, E. 18
      Inyo marble: **(117)** Hanks, H. G. 86a; **(143)** Kirk, E. 18
      Oro Grande series: **(122)** Hershey, O. H. 02a
      Prospect Mountain quartzite: **(43)** Ball, S. H. 07; **(114)** Hague, A. 83
      Silver Peak group: **(143)** Kirk, E. 18
    Pre (?). Abrams mica schist: **(122)** Hershey, O. H. 01
      (possibly). Coast complex. (pre-Franciscan): **(259)** Willis, B. 00
      Deep Spring formation: **(143)** Kirk, E. 18
      Klamath schist series: **(122)** Hershey, O. H. 01
      Pelona schist series: **(122)** Hershey, O. H. 02a, 02e, 12
      Reed dolomite: **(143)** Kirk, E. 18
      Salmon hornblende schist: **(122)** Hershey, O. H. 01
      San Emedio series: **(122)** Hershey, O. H. 02a, 02e
      Santa Lucia series. (pre-Franciscan): **(223)** Smith, J. P. 16; **(259)** Willis, B. 00
      Sur series. (pre-Franciscan): **(151)** Lawson, A. C. 93a; **(223)** Smith, J. P. 09; **(240)** Trask, P. D. 26
    Upper (?). Furnace limestone. Ordovician (?), and Mississippian (?): **(245)** Vaughan, F. E. 22; **(261)** Woodford, A. O. 28a
  Campito sandstone. Lower Cambrian: **(143)** Kirk, E. 18
  Campus formation. Pleistocene: **(151)** Lawson, A. C. 02a, 14a
  Camulos formation: **(142)** Keyes, C. R. 25
  Cantua sandstone member. Eocene. **(38)** Anderson, R. 15; **(67)** Clark, B. L. 21
  Cape Horn slate. Mississippian: **(156)** Lindgren, W. 00
  Capistrano formation. Upper Miocene (?): **(261)** Woodford, A. O. 25
  Carboniferous. Bully Hill volcanics (and Triassic): **(87)** Diller, J. S. 05
    Diamond Peak quartzite. (Pennsylvanian?): **(114)** Hague, A. 83; **(143)** Kirk, E. 18
    Hall City limestone: **(87)** Diller, J. S. 03c

Geologic units—Cont.

- Julian group. (Triassic): **(176)** Merrill, F. J. H. 16
- Nordheimer formation: **(123)** Hershey, O. H. 06
- Caribou formation. Mississippian: **(86)** Diller, J. S. 92; **(223)** Smith, J. P. 16
- Carmelo series. Eocene (?): **(120)** Hawley, H. J. 17; **(151)** Lawson, A. C. 93a; **(240)** Trask, P. D. 26
- Carrizo Creek beds. Miocene (lower, middle, and upper): **(118)** Hanna, G. D. 26; **(194)** Orcutt, C. R. 90; **(245)** Vaughan, T. W. 17
  - formation. Miocene (lower, middle, and upper): **(61)** Buwalda, J. P. 30; **(141)** Kew, W. S. W. 14; **(223)** Smith, J. P. 10
- Carson Creek formation. Age (?): **(187)** Moss, F. A. 27
- Catalina facies of Franciscan series. Jurassic (?): **(261)** Woodford, A. O. 24, 25
  - schist breccia. Lower (?) Miocene: **(261)** Woodford, A. O. 25
- Cathedral Peak granite. Probably Cretaceous: **(63)** Calkins, F. C. 30
- Cedar formation. Upper Triassic: **(86)** Diller, J. S. 92, 95; **(241)** Turner, H. W. 94a
- Cedarville series. Miocene: **(213)** Russell, R. J. 28
- Centinela gravels. Pleistocene: **(238)** Tieje, A. J. 24
- Chanac formation. Pliocene: **(131)** Hoots, H. W. 30; **(175)** Merriam, J. C. 16a
- Chico formation (also group). Upper Cretaceous: **(105)** Gabb, W. M. 69
- Chico-Tejon series. Upper Cretaceous and Eocene: **(254)** White, C. A. 89
- Cierbo group. Miocene (upper): **(67)** Clark, B. L. 21a
- Claremont shale. Miocene (middle): **(152)** Lawson, A. C. 14a
- Clear Creek greenstone. Mississippian (?): **(122)** Hershey, O. H. 01
  - series. Mississippian (?): **(122)** Hershey, O. H. 03a
  - volcanic series. Triassic (?): **(87)** Diller, J. S. 05; **(123)** Hershey, O. H. 04
  - Lake sediments. Pleistocene: **(78)** Dall, W. H. 92
- Clipper Gap formation. Mississippian: **(156)** Lindgren, W. 00
- Coachella fanglomerate. Miocene (middle or upper): **(245)** Vaughan, F. E. 22
- Coahuila silt. Pleistocene: **(118)** Hanna, G. D. 26
- Coalinga beds. Pliocene and Miocene: **(37)** Anderson, F. M. 05, 08
- Coast complex. Pre-Franciscan (possibly pre-Cambrian): **(259)** Willis, B. 00
- Coldwater sandstone member. Eocene: **(141)** Kew, W. S. W. 24; **(216)** Schenck, H. G. 28f; **(236)** Taliaferro, N. L. 24
- Colfax formation. Upper Jurassic: **(111)** Goranson, R. W. 24; **(223)** Smith, J. P. 10

Geologic units—Cont.

- Concord formation. Oligocene: **(67)** Clark, B. L. 18b
- Conejo volcanics. Miocene: **(236)** Taliaferro, N. L. 24
- Contra Costa lake bed. Pliocene: **(75)** Cooper, J. G. 94a
- Copley meta-andesite. Devonian or older: **(87)** Diller, J. S. 06
- Corral Hollow shales. Jurassic (?): **(238)** Tolman, C. F. Jr. 15
- Courtney granite. Mesozoic: **(122)** Hershey, O. H. 00a
- Coyote Mountain clays. Miocene: **(118)** Hanna, G. D. 26
- Cozy Dell shale member. Eocene: **(140)** Kerr, P. F. 28
- Crescent City beds. Miocene and Pliocene: **(87)** Diller, J. S. 02
- Cretaceous, probably. Bridalveil granite: **(242)** Turner, H. W. 99
  - Cathedral Peak granite: **(63)** Calkins, F. C. 30
  - El Capitan granite: **(63)** Calkins, F. C. 30
  - Half Dome quartz monzonite: **(63)** Calkins, F. C. 30
  - Johnson granite porphyry; **(63)** Calkins, F. C. 30
  - Leaning Tower quartz monzonite: **(63)** Calkins, F. C. 30
  - Mount Clark granite: **(63)** Calkins, F. C. 30
  - Pohono granodiorite: **(63)** Calkins, F. C. 30
  - Sentinel granodiorite: **(63)** Calkins, F. C. 30
  - Taft granite: **(63)** Calkins, F. C. 30
  - Trabuco formation: **(195)** Packard, E. L. 16
  - Tuolumne intrusive series: **(63)** Calkins, F. C. 30
  - Lower. Cuesta diabase: **(99)** Fairbanks, H. W. 04
    - Horsetown formation. (Shasta series): **(87)** Diller, J. S. 94a; **(254)** White, C. A. 85c
    - Knoxville formation (Shasta series): **(87)** Diller, J. S. 94a; **(254)** White, C. A. 85c
    - Paskenta horizon: **(37)** Anderson, F. M. 02
    - Shasta series: **(105)** Gabb, W. M. 69
    - Shasta-Chico series. Upper Cretaceous: **(86)** Diller, J. S. 93
    - Toro formation: **(99)** Fairbanks, H. W. 04
  - pre, probably, Cuyamaca basic intrusive: **(132)** Hudson, F. S. 22
    - Rattlesnake granite: **(132)** Hudson, F. S. 22
    - Santa Lucia quartz diorite: **(151)** Lawson, A. C. 93a; **(240)** Trask, P. D. 26
    - Stonewall quartz diorite: **(132)** Hudson, F. S. 22
  - Upper. Atascadero formation: **(99)** Fairbanks, H. W. 04
    - Chico formation (also group): **(105)** Gabb, W. M. 69
    - Chico-Tejon series: **(254)** White, C. A. 89
    - Moreno formation: **(38)** Anderson, R. 15

Geologic units—Cont.
Oakland conglomerate member: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
Panoche formation: (38) Anderson, R. 15
Pescadero series: (41) Ashley, G. H. 95
Shasta-Chico series: (86) Diller, J. S. 93
Wallala group: (46) Becker, G. F. 85a; (254) White, C. A. 85f
Cuesta diabase. Lower Cretaceous: (99) Fairbanks, H. W. 04
Cuyama formation. Tertiary (Pliocene?): (97) English, W. A. 16
Cuyamaca basic intrusive. Probably pre-Cretaceous: (132) Hudson, F. S. 22
Deadman Island beds. Pleistocene: (223) Smith, J. P. 10
Deep Canyon fanglomerate. Quaternary: (245) Vaughan, F. E. 22
Spring formation. Pre-Cambrian: (143) Kirk, E. 18
Dekkas andesite. Middle Triassic: (87) Diller, J. S. 06
Delhi formation. Mississippian: (156) Lindgren, W. 00
Delmar sand. Eocene: (118) Hanna, M. A. 26
Devonian (?). Blue chert series: (123) Hershey, O. H. 06
Copley meta-andesite: (87) Diller, J. S. 06
Saragossa quartzite: (245) Vaughan, F. E. 22
Taylorsville formation: (86) Diller, J. S. 92a, 08
Middle. Kennett formation: (87) Diller, J. S. 06; (222) Smith, J.P. 94a
Sacramento formation: (222) Smith, J. P. 94a, 16
Diamond Peak quartzite. Carboniferous (Pennsylvanian?): (114) Hague, A. 83; (143) Kirk, E. 18
Domengine formation. Eocene (middle): (37) Anderson, F. M. 05; (98) Estorff, F. E. 30; (68) Clark, B. L. 25a; (189) Nelson, R. N. 25
Duncan chert. Mississippian: (156) Lindgren, W. 00
Eden beds. Pliocene (lower): (104) Frick, C. 21
El Capitan granite. Probably Cretaceous: (63) Calkins, F. C. 30
Eocene. Avenal sandstones: (37) Anderson, F. M. 05; (98) Estorff, F. E. 30
Butano sandstone: (56) Branner, J. C. 09
Cantua sandstone member: (38) Anderson, R. 15; (67) Clark, B. L. 21
Carmelo series: (120) Hawley, H. J. 17; (151) Lawson, A. C. 93a; (240) Trask, P. D. 26
Chico-Tejon series: (254) White, C. A. 89
Coldwater sandstone member: (141) Kew, W. S. W. 24; (216) Schenck, H. G. 28f; (236) Taliaferro, N. L. 24
Cozy Dell shale member: (140) Kerr, P. F. 28

Geologic units—Cont.
Delmar sand: (118) Hanna, M. A. 26
Indian conglomerate: (189) Nelson, R. N. 25
Ione formation: (36) Allen, V. T. 29; (156) Lindgren, W. 96e; (241) Turner, H. W. 94a; (258) Williams, H. 29
Karquinez series: (39) Arnold, R. 02a; (151) Lawson, A. C. 03
Kreyenhagen shale: (37) Anderson, F. M. 05; (98) Estorff, F. E. 30
La Jolla formation: (68) Clark, B. L. 26; (118) Hanna, M. A. 26
Martinez marine member: (189) Nelson, R. N. 25
Matilija sandstone member: (216) Schenck, H. G. 28f
Mojave formation: (222) Smith, J. H. 00
Mono shale: (189) Nelson, R. N. 25
Pescadero series: (41) Ashley, G. H. 95
Poway conglomerate: (65) Ellis, A. J. 19; (118) Hanna, M. A. 26
Rose Canon shale: (118) Hanna, M. A. 26
San Pedro shales: (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
Stewartsville group: (67) Clark, B. L. 18
Sutter formation: (86) Dickerson, R. E. 16; (258) Williams, H. 29
Topatopa formation: (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
Torrey sand: (118) Hanna, M. A. 26
Tres Pinos sandstone: (216) Schenck, H. G. 25
Lower. Las Virgenes sandstone: (189) Nelson, R. N. 25
Martinez formation: (105) Gabb, W. M. 69; (172) Merriam, J. C. 97; (226) Stanton, T. W. 96
Simi conglomerate: (189) Nelson, R. N. 25
Middle. Butte gravels: (258) Williams, H. 29
Domengine formation: (37) Anderson, F. M. 05; (68) Clark, B. L. 25a; (98) Estorff, F. E. 30; (189) Nelson, R. N. 25
Marysville formation: (258) Williams, H. 29
Meganos formation: (67) Clark, B. L. 18, 25a, 26, 27
Santa Susana shale: (68) Clark, B. L. 24; (189) Nelson, R. N. 25
Upper. Sierra Blanca limestone: (189) Nelson, R. N. 25
Tejon formation: (67) Clark, B. L. 18; (105) Gabb, W. M. 69
Esmeralda formation. Miocene (upper): (43) Ball, S. H. 07; (242) Turner, H. W. 00d
Escondido series. Oligocene (?): (122) Hershey, O. H. 02b, 02e; (141) Kew, W. S. W. 24
Etchegoin formation. Pliocene (middle and upper): (37) Anderson, F. M. 05; (40) Arnold, R. 08b
sands. Pliocene: (37) Anderson, F. M. 05

Geologic units—Cont.
  Eureka quartzite. Ordovician (middle?): (43) Ball, S. H. 07; (114) Hague, A. 83
  Fant meta-andesite. Lower Jurassic: (87) Diller, J. S. 08
  Fernando group. Pliocene and lower Pleistocene: (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
  Foreman formation. Upper Jurassic: (86) Diller, J. S. 92a, 08
  Franciscan formation (group, where subdivided). Jurassic (?): (151) Lawson, A. C. 95a, 14a
    San Francisco group: (190) Newberry, J. S. 56
    Post. Rainbow series: (225) Stalder, W. 15
      Walker Ridge sandstones and shales: (225) Stalder, W. 15
    Pre. Bodega diorite: (194) Osmont, V. C. 05
      Coast complex: (259) Willis, B. 00
      Santa Lucia series: (223) Smith, J. P. 16; (259) Willis, B. 00
      Sur series: (151) Lawson, A. C. 93a; (223) Smith, J. P. 09; (240) Trask, P. D. 26
  Furnace limestone. Upper Cambrian (?), Ordovician (?) and Mississippian (?): (245) Vaughan, F. E. 22; (261) Woodford, A. O. 28a
  Gabilan limestone. Pre-Jurassic (?): (46) Becker, G. F. 88b
  Genessee Valley limestone and shales. Triassic: (87) Diller, J. S. 08; (223) Smith, J. P. 10
  Golden Gate series. Jurassic (?): (98) Fairbanks, H. W. 95a
  Grapevine conglomerates: (141) Keyes, C. R. 23
  Greenwater volcanics: (141) Keyes, C. R. 23
  Grizzly formation. Silurian (?): (86) Diller, J. S. 92, 92a, 08
    Peak andesite. Pliocene: (151) Lawson, A. C. 02a, 14a
  Half Dome quartz monzonite. Probably Cretaceous: (63) Calkins, F. C. 30
  Hall City limestone. Carboniferous: (87) Diller, J. S. 03c
  Hambre sandstone. Miocene (Middle): (152) Lawson, A. C. 14a
  Hardgrave sandstone. Lower Jurassic: (86) Diller, J. S. 92a, 08
  Hathaway formation. Upper Pliocene or lower Quaternary (mapped as Pliocene): (245) Vaughan, F. E. 22
  Hay Fork beds. Miocene: (87) Diller, J. S. 02, 03c
  Heights fanglomerate. Quaternary: (245) Vaughan, F. E. 22; (261) Woodford, A. C. 28a
  Hercules shale member. Miocene (upper): (152) Lawson, A. C. 14a
  Hinchman sandstone. Upper Jurassic: (86) Diller, J. S. 92a, 08
  Horsetown formation. Lower Cretaceous (Shasta series): (87) Diller, J. S. 94a; (254) White, C. A. 85c
  Hosselkus limestone. Upper Triassic: (86) Diller, J. S. 92a, 08
Geologic units—Cont.
    series: (41) Ashley, G. H. 23
  Hull meta-andesite. Upper Jurassic: (87) Diller, J. S. 08
  Hyampom lake beds. Miocene: (87) Diller, J. S. 02
  Imperial formation. Miocene (late lower): (118) Hanna, G. D. 26
  Indian conglomerate. Eocene: (189) Nelson, R. N. 25
  Indio formation. Miocene (middle or upper): (61) Buwalda, J. P. 30
  Ingleside chert. Jurassic (?): (152) Lawson, A. C. 14a
  Inyo marble. Lower Cambrian: (117) Hanks, H. G. 86a; (143) Kirk, E. 18
    series. Middle and lower Triassic: (41) Ashley, G. H. 23; (223) Smith, J. P. 10
  Inyoan series. Lower Triassic: (141) Keyes, C. R. 23
  Ione formation. Eocene: (36) Allen, V. T. 29; (156) Lindgren, W. 96e; (241) Turner, H. W. 94a; (258) Williams, H. 29
  Jacalitos formation. Pliocene (lower): (38) Anderson, R. 08b
  Johannesburg gneiss. Archean: (133) Hulin, C. D. 25
  Johnson granite porphyry. Probably Cretaceous: (63) Calkins, F. C. 30
    gravels. Miocene: (86) Diller, J. S. 92a
  Julian group. Triassic, Carboniferous, or older: (176) Merrill, F. J. H. 16
    schist. (Sedimentary). Triassic or late Paleozoic, or both: (132) Hudson, F. S. 22
  Jurassic (?). Atolia quartz monzonite: (133) Hulin, C. D. 25
    Balaklala rhyolite: (87) Diller, J. S. 06
    Black Mountain volcanics: (118) Hanna, M. A. 26
    Bodega diorite: (194) Osmont, V. C. 05
    Bolinas sandstone: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14
    Bonita sandstone: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14
    Bully Hill rhyolite: (87) Diller, J. S. 06; (111) Graton, L. C. 10
    Cahil sandstone: (152) Lawson, A. C. 14
    Calera limestone member: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
    Catalina facies of Franciscan series: (261) Woodford, A. O. 24, 25
    Corral Hollow shales: (238) Tolman, C. F. Jr. 15
    Franciscan formation (group, where subdivided): (151) Lawson, A. C. 95a, 14a
    Golden Gate series: (98) Fairbanks, H. W. 95a
    Ingleside chert: (152) Lawson, A. C. 14a
    Marin sandstone: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
    Milton formation: (241) Turner, H. W. 94a

Geologic units—Cont.

- Oakridge sandstone: (238) Tolman, C. F. Jr. 15
- Osos basalt: (99) Fairbanks, H. W. 04
- Pilarcitos sandstone: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
- San Bruno sandstone: (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
- San Francisco group: (190) Newberry, J. S. 56
    - sandstone: (49) Blake, W. P. 57b; (151) Lawson, A. C. 95, 95a, 14a
  - Luis formation: (99) Fairbanks, H. W. 04
  - Miguel cherts: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
- Sausalito chert: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
- Silver Terrace sandstone: (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
- Stonewall quartz diorite: (132) Hudson, F. S. 22
- Telegraph Hill sandstone: (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
- late, probably. Cactus granite: (245) Vaughan, F. E. 22
  - Montara granite: (151) Lawson, A. C. 95, 95a, 14a
- lower. Bagley andesite: (87) Diller, J. S. 06
  - Bend formation: (86) Diller, J. S. 92, 95; (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
  - Fant meta-andesite: (87) Diller, J. S. 08
  - Modin formation: (87) Diller., J. S. 06
  - Plumas series: (223) Smith, J. P. 10
  - Potem formation: (87) Diller, J. S. 06
  - Trail formation: (86) Diller, J. S. 92a, 08
- middle. Bend formation: (86) Diller, J. S. 92, 95; (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
  - Mormon sandstone: (86) Diller, J. S. 92a, 08
  - Morrison sandstone: (123) Hershey, O. H. 04
  - Plumas series:: (223) Smith, J. P. 10
  - Potem formation: (87) Diller, J. S. 06
  - Thompson limestone: (86) Diller, J. S. 92a, 08
- Pre. Gabilan limestone: (46) Becker, G. F. 88b
- Upper. Bicknell sandstone: (86) Diller, J. S. 92a, 08 tuff; (133) Hyatt, A. 92
  - Colfax formation: (111) Goranson, R. W. 24; (223) Smith, J. P. 10
  - Foreman formation: (86) Diller, J. S. 92a, 08
  - Hinchman sandstone: (86) Diller, J. S. 92a, 08
  - Hull meta-andesite: (87) Diller, J. S. 08

Geologic units—Cont.

  - Mariposa slate: (46) Becker, G. F. 85a
  - Monte de Oro formation: (242) Turner, H. W. 96
  - Plumas series: (223) Smith, J. P. 10
- Kagel fanglomerate. Quaternary: (126) Hill, M. L. 30a
- Kalorama member (of Las Posas formation). Pleistocene: (202) Pressler, E. D. 29
- Kanaka formation. Mississippian: (100) Ferguson, H. G. 29a
- Karquinez series. Eocene: (39) Arnold, R. 02a; (151) Lawson, A. C. 03
- Keddie formation. Pennsylvanian: (86) Diller, J. S. 92, 95
- Kennett formation. Middle Devonian: (87) Diller, J. S. 06; (222) Smith, J. P. 94a
- Kern River formation. Pliocene: (37) Anderson, F. M. 05, 11; (103) Fox, L. S. 29; (228) Stevens, J. B. 24
- Kettle meta-andesite. Pennsylvanian: (87) Diller, J. S. 08
- Kettleman lake bed. Probably Pliocene: (75) Cooper, J. G. 94a
- Kirker tuff. Oligocene: (67) Clark, B. L. 18b
- Kirker's Pass beds. Miocene: (223) Smith, J. P. 10
- Klamath schist series. Pre-Cambrian (?): (122) Hershey, O. H. 01
- Knoxville formation. Lower Cretaceous (Shasta series): (87) Diller, J. S. 94a; (254) White, C. A. 85c
- Koipatoan series. Triassic (middle (?); (141) Keyes, C. R. 23
- Kreyenhagen shale. Oligocene? (may be Eocene): (37) Anderson, F. M. 05; (98) Estorff, F. E. von 30
- La Jolla formation. Eocene: (68) Clark, B. L. 26; (118) Hanna, M. A. 26
- Landavista terrace material. Quaternary: (118) Hanna, M. A. 26
- Lang division. Tertiary: (122) Hershey, O. H. 02b; (141) Kew, W. S. W. 24
- Las Posas formation. Pleistocene: (202) Pressler, E. D. 29
  - Virgenes sandstone. Eocene (lower): (189) Nelson, R. N. 25
- Latrania sands. Miocene (lower): (118) Hanna, G. D. 26
- Leaning Tower quartz monzonite. Probably Cretaceous: (63) Calkins, F. C. 30
- Leona rhyolite. Pliocene (?): (152) Lawson, A. C. 14a
- Lion sandstone. Miocene (Lower): (245) Vaughan, F. E. 22
- Little Chief porphyry. Age (?): (188) Murphy, F. M. 30a
  - Grizzly Creek beds. Pennsylvanian: (241) Turner, H. W. 94a, 94d

Geologic units—Cont.

- Lone Mountain limestone. Silurian and upper Ordovician: (43) Ball, S. H. 07; (114) Hague, A. 83
- Long Canyon member (of Las Posas formation). Pleistocene: (202) Pressler, E. D. 29
- Lopez fanglomerate. Quaternary: (126) Hill, M. L. 30a
- Los Angelean epoch. Pleistocene: (122) Hershey, O. H. 02e
- McCloud formation. Pennsylvanian and Mississippian: (222) Smith, J. P. 94a
  - limestone. Pennsylvanian: (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
  - shales. Pennsylvanian: (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
- McKittrick formation. Pliocene and lower Pleistocene (?): (40) Arnold, R. 09b, 10, 10a
- McLure shale. Miocene or Pliocene: (121) Henny, G. 30a
- Manix lake beds. Pleistocene: (61) Buwalda, J. P. 14
- Maricopa shale. Miocene (upper and middle): (97) English, W. A. 16; (195) Pack, R. W. 20
- Marin sandstone. Jurassic (?): (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
- Mariposa slate. Upper Jurassic: (46) Becker, G. F. 85a
- Markley formation. Oligocene: (67) Clark, B. L. 18b
- Mark West andesite. Pliocene: (194) Osmont, V. C. 05
- Martinez formation. Eocene (lower): (105) Gabb, W. M. 69; (172) Merriam, J. C. 97; (226) Stanton, T. W. 96
  - marine member. Eocene: (189) Nelson, R. N. 25
- Marvel limestone. Lower Paleozoic (?): (188) Murphy, F. M. 30a
- Marysville formation. Eocene (middle): (258) Williams, H. 29
- Matilija sandstone member. Eocene: (216) Schenck, H. G. 28f
- Meganos formation. Eocene (middle): (67) Clark, B. L. 18, 25a, 26, 27
- Mellenia series. Miocene: (122) Hershey, O. H. 02b, 02e; (141) Kew, W. S. W. 24
- Merced formation. Pliocene: (151) Lawson, A. C. 93b
- Merritt sand. Pleistocene: (152) Lawson, A. C. 14a
- Mesozoic. Courtney granite: (122) Hershey, O. H. 00a
  - Ravenna plutonic series: (122) Hershey, O. H. 02a, 02e
- Millerton formation. Lower and middle Pleistocene: (86) Dickerson, R. E. 22a
- Millett clay: (141) Keyes, C. R. 23
- Milton formation. Jurassic (?): (241) Turner, H. W. 94a
- Mineral King beds. Triassic (?) (241) Turner, H. W. 94a

Geologic units—Cont.

- Mint Canyon formation. Miocene (upper): (141) Kew, W. S. W. 23
- Miocene. Bear River series: (225) Stalder, W. 15
  - Big Blue serpentinous member: (38) Anderson, R. 15
  - Bouquet Canon breccia: (261) Woodford, A. O. 25
  - Button beds: (37) Anderson, F. M. 05
  - Cedarville series: (213) Russell, R. J. 28
  - Coalinga beds: (37) Anderson, F. M. 05, 08
  - Conejo volcanics: (236) Taliaferro, N. L. 24
  - Coyote Mountain clays: (118) Hanna, G. D. 26
  - Crescent City beds: (87) Diller, J. S. 02
  - Hay Fork beds: (87) Diller, J. S. 02, 03c
  - Hyampom lake beds: (87) Diller, J. S. 02
  - Johnson gravels: (86) Diller, J. S. 92a
  - Kirker's Pass beds: (223) Smith, J. P. 10
  - McLure shale: (121) Henny, G. 30a
  - Mellenia series: (122) Hershey, O. H. 02b, 02e; (141) Kew, W. S. W. 24
  - Mud Hill series: (103) Free, E. E. 14a
  - Nerola formation: (68) Clark, B. L. 27
  - Pasadena formation: (39) Arnold, R. 05
  - Pescadero series: (41) Ashley, G. H. 95
  - Poncho Rico formation: (97) English, W. A. 18: (205) Reed, R. D. 25
  - Potato sandstone: (245) Vaughan, F. E. 22
  - San Pedro schist breccia and sandstone: (261) Woodford, A. O. 25
  - Santa Paula formation: (92) Eaton, J. E. 26f, 29
  - Tequepis sandstone: (189) Nelson, R. N. 24, 25
  - Truckee formation: (143) King, C. 78a
  - Tuscan tuff: (87) Diller, J. S. 95
  - lower. Carrizo Creek beds: (118) Hanna, G. D. 26; (194) Orcutt, C. R. 90; (245) Vaughan, T. W. 17
    - formation: (61) Buwalda, J. P. 30; (141) Kew, W. S. W. 14; (223) Smith, J. P. 10
    - Catalina schist breccia: (261) Woodford, A. O. 25
    - Imperial formation: (118) Hanna, G. D. 26
    - Latrania sands: (118) Hanna, G. D. 26
    - Lion sandstone: (245) Vaughan, F. E. 22
    - Monterey group: (49) Blake, W. P. 55; (152) Lawson, A. C. 14a; (159) Louderback, G. D. 13

Geologic units—Cont.
Ocoya Creek beds: (49) Blake, W. P. 57b; (223) Smith, J. P. 10; (241) Turner, H. W. 94a
Pato red member: (97) English, W. A. 16; (141) Kew, W. S. W. 19a
San Onofre breccia: (95) Ellis, A. J. 19; (261) Woodford, A. O. 25
Sespe formation: (141) Kew, W. S. W. 24; (251) Watts, W. L. 97
Sobrante sandstone: (67) Clark, B. L. 18b; (152) Lawson, A. C. 14a
Soledad group: (138) Jordan, D. S. 19
Tecuya beds: (67) Clark, B. L. 21a, 21b; (229) Stock, C. 20
Vaqueros sandstone: (115) Hamlin, H. 04
Yuha reefs: (118) Hanna, G. D. 26
middle. Carrizo Creek beds: (118) Hanna, G. D. 26; (194) Orcutt, C. R. 90; (245) Vaughan, T. W. 17
  formation: (61) Buwalda, J P. 30; (141) Kew, W. S. W. 14; (223) Smith, J. P. 10
Claremont shale: (152) Lawson, A. C. 14a
Coachella fanglomerate: (245) Vaughan, F. E. 22
Hambre sandstone: (152) Lawson, A. C. 14a
Indio formation: (61) Buwalda, J. P. 30
Maricopa shale: (97) English, W. A. 16; (195) Pack, R. W. 20
Monterey group: (49) Blake, W. P. 55; (152) Lawson, A. C. 14a; (159) Louderback, G. D. 13
Oursan sandstone: (152) Lawson, A. C. 14a
Puente formation: (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
Rodeo shale: (152) Lawson, A. C. 14a
Salinas shale: (97) English, W. A. 18
Temblor formation: (37) Anderson, F. M. 05, 08, 11, 14; (67) Clark, B. L. 21a; (223) Smith, J. P. 10
  Tice shale: (152) Lawson, A. C. 14a
Topanga formation: (141) Kew, W. S. W. 23
upper. Barstow formation: (122) Hershey, O. H. 02b; (175) Merriam, J. C. 15f, 19
Briones sandstone: (152) Lawson, A. C. 14a
Capistrano formation: (261) Woodford, A. O. 25
Carrizo Creek beds: (118) Hanna, G. D. 26; (194) Orcutt, C. R. 90; (245) Vaughan, T. W. 17
  formation: (61) Buwalda, J. P. 30; (141) Kew, W. S. W. 14; (223) Smith, J. P. 10
Cierbo group: (67) Clark, B. L. 21a
Coachella fanglomerate: (245) Vaughan, F. E. 22

Geologic units—Cont.
Esmeralda formation: (43) Ball, S. H. 07; (242) Turner, H. W. 00b
Hercules shale member: (152) Lawson, A. C. 14a
Indio formation: (61) Buwalda, J. P. 30
Maricopa shale: (97) English, W. A. 16; (195) Pack, R. W. 20
Mint Canyon formation: (141) Kew, W. S. W. 23
Modelo formation: (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
Mohawk lake beds: (223) Smith, J. P. 16; (241) Turner, H. W. 91a
Morales member: (97) English, W. A. 16
Petaluma formation: (86) Dickerson, R. E. 22a
Pismo formation: (99) Fairbanks, H. W. 04
Puente formation: (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
Red Mountain andesite: (133) Hulin, C. D. 25
Redrock Canyon sandstone member: (97) English, W. A. 16
San Pablo formation: (152) Lawson, A. C. 14a; (172) Merriam, J. C. 98
  series: (67) Clark, B. L. 18a, 21a
Santa Margarita formation: (99) Fairbanks, H. W. 04
Siebert formation: (43) Ball, S. H. 07
Soledad division: (122) Hershey, O. H. 02b; (141) Kew, W. S. W. 24
Trampan formation: (151) Lawson, A. C. 02a, 14a
Whiterock Bluff shale member: (97) English, W. A. 16
Wymer beds: (87) Diller, J. S. 02
pre. Walker Ridge sandstones and shales: (225) Stalder, W. 15
Mississippian. Arlington formation: (86) Diller, J. S. 92a, 08
Baird shale: (87) Diller, J. S. 06; (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
Bass Mountain diabase: (87) Diller, J. S. 06
Blue Canyon formation: (100) Ferguson, H. G. 29a; (156) Lindgren, W. 00
Bragdon formation: (87) Diller, J. S. 06; (122) Hershey, O. H. 01
Calaveras formation (also *group*): (241) Turner, H. W. 93a, 93b, 94
Cape Horn slate: (156) Lindgren, W. 00
Caribou formation: (86) Diller, J. S. 92; (223) Smith, J. P. 16
Clear Creek greenstone: (122) Hershey, O. H. 01
  series: (122) Hershey, O. H. 03a
Clipper Gap formation: (156) Lindgren, W. 00

Geologic units—Cont.
  Delhi formation: (156) Lindgren, W. 00
  Duncan chert: (156) Lindgren, W. 00
  Furnace limestone: (245) Vaughan, F. E. 22; (261) Woodford, A. O. 28a
  Kanaka formation: (100) Ferguson, H. G. 29a
  McCloud formation: (222) Smith, J. P. 94a
  Peale formation: (87) Diller, J. S. 08
  Relief quartzite: (100) Ferguson, H. G. 29a; (156) Lindgren, W. 00
  Shoofly formation: (86) Diller, J. S. 92a, 08
  Spanish formation: (86) Diller, J. S. 92, 95
  Taylor meta-andesite: (87) Diller, J. S. 08
  Tightner formation: (100) Ferguson, H. G. 29a
  White Pine shale: (114) Hague, A. 83; (143) Kirk, E. 18
Modelo formation. Miocene (upper): (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
Modin formation Lower Jurassic: (87) Diller, J. S. 06
Mohawk lake beds. Miocene (upper): (223) Smith, J. P. 16; (241) Turner, H. W. 91a
Mojave formation. Tertiary (probably Eocene): (222) Smith, J. H. 00
Mono shale. Eocene: (189) Nelson, R. N. 25
Montara granite. Late Jurassis (?): (151) Lawson, A. C. 95, 95a, 14a
Monte de Oro formation. Upper (?) Jurassic: (242) Turner, H. W. 96
Monterey group. Miocene (middle and lower): (49) Blake, W. P. 55; (152) Lawson, A. C. 14a; (159) Louderback, G. D. 13
Montgomery limestone. Silurian (Niagaran): (86) Diller, J. S. 92a, 08
Moraga formation. Pliocene: (152) Lawson, A. C. 14a
Morales member. Miocene (upper): (97) English, W. A. 16
Moreno formation. Upper Cretaceous: (38) Anderson, R. 15
Mormon sandstone. Middle Jurassic: (86) Diller, J. S. 92a, 08
Morrison sandstone. Middle Jurassic: (123) Hershey, O. H. 04
Mount Clark granite. Probably Cretaceous: (63) Calkins, F. C. 30
  Lowe granodiorite. Age (?): (179) Miller, W. J. 26b
  Wilson quartz diorite. Age (?): (179) Miller, W. J. 26b
Mud Hill series. Miocene to Pleistocene (?): (103) Free, E. E. 14a
Nerola formation. Miocene: (68) Clark, B. L. 27
Nordheimer formation. Carboniferous (?): (123) Hershey, O. H. 06
Northbrae rhyolite. Pliocene: (152) Lawson, A. C. 14a

Geologic units—Cont.
Nosoni formation. Pennsylvanian: (87) Diller, J. S. 06
Oakland conglomerate member. Upper Cretaceous: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
Oakridge sandstone. Jurassic (?): (238) Tolman, C. F. Jr. 15
Ocoya Creek beds. Miocene (lower): (49) Blake, W. P. 57b; (223) Smith, J. P. 10; (241) Turner, H. W. 94a
Oligocene? Butano sandstone: (56) Branner, J. C. 09
  Concord formation: (67) Clark, B. L. 18b
  Escondido series: (122) Hershey, O. H. 02b, 02e; (141) Kew, W. S. W. 24
  Kirker tuff: (67) Clark, B. L. 18b
  Kreyenhagen shale: (37) Anderson, F. M. 05; (98) Estorff, F. E. 30
  Markley formation: (67) Clark, B. L. 18b
  Pinecate formation: (140) Kerr, P. F. 25
  Pleito formation: (246) Wagner, C. M. 23
  San Emigdio formation: (108) Gester, G. C. 17; (246) Wagner, C. M. 23
    Juan Bautista formation: (140) Kerr, P. F. 25
    Lorenzo formation: (39) Arnold, R. 06b; (67) Clark, B. L. 18b
    Ramon formation: (67) Clark, B. L. 18b
  Sespe formation: (141) Kew, W. S. W. 24; (251) Watts, W. L. 97
  Soledad group: (138) Jordan, D. S. 19
  Wagonwheel formation: (137) Johnson, H. R. 09
Ordovician. Furnace limestone: (245) Vaughan, F. E. 22; (261) Woodford, A. O. 28a
  Lower. Pogonip limestone: (114) Hague, A. 83; (143) King, C. 78a
  Middle. Eureka quartzite: (43) Ball, S. H. 07; (114) Hague, A. 83
  Upper. Lone Mountain limestone: (43) Ball, S. H. 07; (114) Hague, A. 83
Orinda formation. Pliocene: (151) Lawson, A. C. 02a, 14a
Oro Grande series. Lower Cambrian: (122) Hershey, O. H. 02a
Osos basalt. Jurassic (?): (99) Fairbanks, H. W. 04
Oursan sandstone. Miocene (middle): (152) Lawson, A. C. 14a
Owenyo limestone. Permian: (143) Kirk, E. 18
Paicines formation. Pliocene: (140) Kerr, P. F. 25
Pala conglomerate: Pleistocene: (95) Ellis, A. J. 19
Paleozoic, late. Julian schist: (132) Hudson, F. S. 22
  lower. Marvel limestone: (188) Murphy, F. M. 30a
  Surprise formation: (188) Murphy, F. M. 30a
  Telescope group: (188) Murphy, F. M. 30a

Geologic units—Cont.

    - Provisionally. Anzar phase (of Santa Lucia series): (216) Schenck, H. G. 25
  - Palos Verdes sand. Pleistocene: (238) Tieje, A. J. 24
  - Panoche formation. Upper Cretaceous: (38) Anderson, R. 15
  - Pasadena formation. Miocene: (39) Arnold, R. 05
  - Paskenta horizon. Lower Cretaceous: (37) Anderson, F. M. 02
  - Paso Robles formation. Pliocene and lower Pleistocene (?): (99) Fairbanks, H. W. 98
  - Pato red member. Miocene (lower): (97) English, W. A. 16; (141) Kew, W. S. W. 19a
  - Peale formation. Mississippian: (87) Diller, J. S. 08
  - Pedroian. Lower Pleistocene: (92) Eaton, J. E. 28
  - Pelona schist series. Pre-Cambrian (?): (122) Hershey, O. H. 02a, 02e, 12
  - Pennsylvanian (?). Diamond Peak quartzite: (114) Hague, A. 83; (143) Kirk, E. 18
    - Keddie formation: (86) Diller, J. S. 92, 95
    - Kettle meta-andesite: (87) Diller, J. S. 08
    - Little Grizzly Creek beds: (241) Turner, H. W. 94a, 94d
    - McCloud formation: (222) Smith, J. P. 94a
      - limestone: (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
      - shales: (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
    - Nosoni formation: (87) Diller, J. S. 06
    - Reeve meta-andesite: (87) Diller, J. S. 08
    - Reward conglomerate: (143) Kirk, E. 18
    - Robinson formation: (86) Diller, J. S. 92a, 08
  - Permian. Owenyo limestone: (143) Kirk, E. 18
    - Wildwood limestone: (223) Smith, J. P. 10
  - Pescadero series. Upper Cretaceous, Eocene, Miocene: (41) Ashley, G. H. 95
  - Petaluma formation. Miocene (upper): (86) Dickerson, R. E. 22a
  - Pico formation. Pliocene: (67) Clark, B. L. 21a; (92) Eaton, J. E. 26f; (141) Kew, W. S. W. 23, 24
  - Pie Knob andesite. Pleistocene: (151) Lawson, A. C. 02a
  - Pilarcitos sandstone. Jurassic (?); (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
  - Pinecate formation. Oligocene: (140) Kerr, P. F. 25
  - Pinole tuff. Pliocene: (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
  - Pipes fanglomerate. Upper Pliocene or lower Quaternary: (245) Vaughan, F. E. 22

Geologic units—Cont.

  - Pismo formation. Miocene (upper): (99) Fairbanks, H. W. 04
  - Pit shale. Middle and upper Triassic: (87) Diller, J. S. 06; (98) Fairbanks, H. W. 94e; (222) Smith, J. P. 94a
  - Pitt series. Middle Triassic: (41) Ashley, G. H. 23
  - Pleistocene. Alameda formation: (152) Lawson, A. C. 14a
    - Bautista beds: (104) Frick, C. 21
    - Blackhawk breccia: (261) Woodford, A. O. 28a
    - Campus formation: (151) Lawson, A. C. 02a, 14a
    - Centinela gravels: (238) Tieje, A. J. 24
    - Clear Lake sediments: (78) Dall, W. H. 92
    - Coahuila silt: (118) Hanna, G. D. 26
    - Deadman Island beds: (223) Smith, J. P. 10
    - Kalorama member (of Las Posas formation): (202) Pressler, E. D. 29
    - Las Posas formation: (202) Pressler, E. D. 29
    - Long Canyon member (of Las Posas formation): (202) Pressler, E. D. 29
    - Los Angelan epoch: (122) Hershey, O. H. 02e
    - Manix lake beds: (61) Buwalda, J. P. 14
    - Merritt sand: (152) Lawson, A. C. 14a
    - Mud Hill series: (103) Free, E. E. 14a
    - Pala conglomerate: (95) Ellis, A. J. 19
    - Palos Verdes sand: (238) Tieje, A. J. 24
    - Pie Knob andesite: (151) Lawson, A. C. 02a
    - Raised Beach formation: (39) Arnold, R. 03
    - Red Bluff epoch: (122) Hershey, O. H. 02e
      - formation: (87) Diller, J. S. 94, 06
    - San Antonion formation: (152) Lawson, A. C. 14a
      - Benito gravels: (151) Lawson, A. C. 93b; (216) Schenck, H. G. 25
      - Pedran epoch: (122) Hershey, O. H 02e
      - Pedro formation: (78) Dall, W. H. 98; (141) Kew, W. S. W. 23; (238) Tieje, A. J. 24
    - Santa Clara formation: (56) Branner, J. C. 09; (75) Cooper, J. G. 94a
      - epoch: (122) Hershey, O. H. 02e
      - Maria formation: (64) Carson, C. M. 25
    - Tomales Bay deposits: (194) Osmont, V. C. 05
    - Tulare formation: (37) Anderson, F. M. 05
    - Wymer beds: (87) Diller, J. S. 02
  - Late. Wilmington group: (127) Hill, R. T. 29

Geologic units—Cont.

  - Lower. Ashton zone: **(108)** Gester, S. H. 24
    - Fernando group: **(95)** Eldridge, G. H. 07; **(141)** Kew, W. S. W. 24
    - McKittrick formation: **(40)** Arnold, R. 09b, 10, 10a
    - Millerton formation: **(86)** Dickerson, R. E. 22a
    - Paso Robles formation: **(99)** Fairbanks, H. W. 98
    - Pedroian: **(92)** Eaton, J. E. 28
    - Saugus formation: **(122)** Hershey, O. H. 02b; **(141)** Kew, W. S. W. 23
  - Middle. Millerton formation: **(86)** Dickerson, R. E. 22a
  - Upper. Tomales formation: **(86)** Dickerson, R. E. 22a
- Pleito formation. Oligocene: **(246)** Wagner, C. M. 23
- Pliocene. Ashton zone: **(108)** Gester, S. H. 24
  - Asphalto lake bed: **(75)** Cooper, J. G. 94a
  - Bald Peak basalt: **(151)** Lawson, A. C. 02a
  - Berkeley group: **(151)** Lawson, A. C. 02a, 14a
  - Cache Lake beds: **(46)** Becker, G. F. 88
  - Chanac formation: **(131)** Hoots, H. W. 30; **(175)** Merriam, J. C. 16a
  - Coalinga beds: **(37)** Anderson, F. M. 05, 08
  - Contra Costa lake bed: **(75)** Cooper, J. G. 94a
  - Crescent City beds: **(87)** Diller, J. S. 02
  - Cuyama formation: **(97)** English, W. A. 16
  - Etchegoin sands: **(37)** Anderson, F. M. 05
  - Fernando group: **(95)** Eldridge, G. H. 07; **(141)** Kew, W. S. W. 24
  - Grizzly Peak andesite: **(151)** Lawson, A. C. 02a, 14a
  - Kern River formation: **(37)** Anderson, F. M. 05, 11; **(103)** Fox, L. S. 29; **(228)** Stevens, J. B. 24
  - Kettleman lake bed: **(75)** Cooper, J. G. 94a
  - Leona rhyolite: **(152)** Lawson, A. C. 14a
  - McKittrick formation: **(40)** Arnold, R. 09b, 10, 10a
  - McLure shale: **(121)** Henny, G. 30a
  - Mark West andesite: **(194)** Osmont, V. C. 05
  - Merced formation: **(151)** Lawson, A. C. 93b
  - Moraga formation: **(152)** Lawson, A. C. 14a
  - Mud Hill series: **(103)** Free, E. E. 14a
  - Northbrae rhyolite: **(152)** Lawson, A. C. 14a
  - Orinda formation: **(151)** Lawson, A. C. 02a, 14a
  - Paicines formation: **(140)** Kerr, P. F. 25
  - Paso Robles formation: **(99)** Fairbanks, H. W. 98

Geologic units—Cont.

  - Pico formation: **(67)** Clark, B. L. 21a; **(92)** Eaton, J. E. 26f; **(141)** Kew, W. S. W. 23, 24
  - Pinole tuff: **(39)** Arnold, R. 02a; **(151)** Lawson, A. C. 03, 14a
  - Poncho Rico formation: **(97)** English, W. A. 18; **(205)** Reed, R. D. 25
  - Purisima formation: **(113)** Haehl, H. L. 04
  - St. Helena rhyolite: **(194)** Osmont, V. C. 05
  - San Joaquin clays: **(37)** Anderson, F. M. 05
  - San Mateo formation: **(261)** Woodford, A. O. 25
  - San Pedro schist breccia and sandstone: **(261)** Woodford, A. O. 25
  - Santa Clara formation: **(56)** Branner, J. C. 09; **(75)** Cooper, J. G. 94a
  - Santa Maria formation: **(64)** Carson, C. M. 25
  - Sierran: **(92)** Eaton, J. E. 28; **(122)** Hershey, O. H. 02, 02e; **(153)** Le Conte, J. 99; **(223)** Smith, J. P. 10
  - Siesta formation: **(151)** Lawson, A. C. 02a, 14a
  - Sonoma group: **(86)** Dickerson, R. E. 22a
    - tuff: **(194)** Osmont, V. C. 05
  - Tassajara lake (?) bed: **(75)** Cooper, J. G. 94a
  - Tulare formation: **(37)** Anderson, F. M. 05
  - Tuscan tuff: **(87)** Diller, J. S. 95
  - Ventura sands: **(64)** Carson, C. M. 25
  - Wildcat series: **(151)** Lawson, A. C. 94
  - Wilson Ranch beds: **(194)** Osmont, V. C. 05
  - Wymer beds: **(87)** Diller, J. S. 02
  - Lower. Eden beds: **(104)** Frick, C. 21
    - Jacalitos formation: **(40)** Arnold, R. 08b
    - Red Rock Canyon beds: **(99)** Fairbanks, H. W. 96g; **(108)** Gilbert, G. K. 75; **(175)** Merriam, J. C. 19
    - Ricardo formation: **(174)** Merriam, J. C. 14e, 15f, 17, 19
    - Santa Paula formation: **(92)** Eaton, J. E. 26f, 29
  - Middle. Etchegoin formation: **(37)** Anderson, F. M. 05; **(40)** Arnold, R. 08b
    - San Diego formation: **(78)** Dall, W. H. 98; **(95)** Ellis, A. J. 19
  - Upper. Etchegoin formation: **(37)** Anderson, F. M. 05; **(40)** Arnold, R. 08b
    - Hathaway formation: **(245)** Vaughan, F. E. 22
    - Pipes fanglomerate: **(245)** Vaughan, F. E. 22
    - San Timoteo beds: **(104)** Frick, C. 21
    - Santa Ana sandstone: **(245)** Vaughan, F. E. 22
      - Barbara beds (also marls): **(64)** Carson, C. M. 25; **(223)** Smith,

Geologic units—Cont.
J. P. 12b; (238) Tolman, C. F. 15
Saugus formation: (122) Hershey, O. H. 02b; (141) Kew, W. S. W. 23
Plumas series. Jurassic: (223) Smith, J. P. 10
Pogonip limestone. Lower Ordovician: (114) Hague, A. 83; (143) King, C. 78a
Pohono granodiorite. Probably Cretaceous: (63) Calkins, F. C. 30
Poncho Rico formation. Pliocene and Miocene (?): (97) English, W. A. 18; (205) Reed, R. D. 25
Potato sandstone. Miocene, probably: (245) Vaughan, F. E. 22
Potem formation. Middle and lower Jurassic: (87) Diller, J. S. 06
Poway conglomerate. Tertiary (Eocen: (95) Ellis, A. J. 19; (118) Hanna, M. A. 26
Prospect Mountain quartzite. Lower Cambrian: (43) Ball, S. H. 07; (114) Hague, A. 83
Puente formation. Miocene (upper and middle): (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24
Purisima formation. Pliocene: (113) Haehl, H. L. 04
Quaternary (?). Atlas formation: (152) Lawson, A. C. 06a
Black Mountain basalt flow: (43) Baker, C. L. 12; (133) Hulin, C. D. 25
Bodega Bay deposits: (194) Osmont, V. C. 05
Cabezon fanglomerate: (245) Vaughan, F. E. 22
Cable formation (or lake beds): (152) Lawson, A. C. 06a
Deep Canyon fanglomerate: (245) Vaughan, F. E. 22
Heights fanglomerate: (245) Vaughan, F. E. 22; (261) Woodford, A. C. 28a
Kagel fanglomerate: (126) Hill, M. L. 30a
Landavista terrace material: (118) Hanna, M. A. 26
Lopez fanglomerate: (126) Hill, M. L. 30a
San Dimas formation: (93) Eckis, R. 28
Tank volcanics: (152) Lawson, A. C. 06a
Tehachapi formation: (152) Lawson, A. C. 06a
Tolenas marble: (250) Watts, W. L. 90
Lower. Hathaway formation: (245) Vaughan, F. E. 22
Pipes fanglomerate: (245) Vaughan, F. E. 22
Santa Ana sandstone: (245) Vaughan, F. E. 22
Rainbow series. Post-Franciscan: (225) Stalder, W. 15
Raised Beach formation. Pleistocene: (39) Arnold, R. 03
Rand schist. Archean: (133) Hulin, C. D. 25
Rattlesnake granite. Probably pre-Cretaceous: (132) Hudson, F. S. 22

Geologic units—Cont.
Ravenna plutonic series. Mesozoic(?): (122) Hershey, O. H. 02a, 02e
Recent. Temescal formation: (152) Lawson, A. C. 14a
Red Bluff epoch. Pleistocene: (122) Hershey, O. H. 02e
formation. Pleistocene: (87) Diller, J. S. 94, 06
Mountain andesite. Miocene (upper): (133) Hulin, C. D. 25
Redrock Canyon sandstone member. Miocene (upper): (97) English, W. A. 16
Red Rock Canyon beds. Pliocene (lower): (99) Fairbanks, H. W. 96g; (108) Gilbert, G. K. 75; (175) Merriam, J. C. 19
Reed dolomite. Pre-Cambrian: (143) Kirk, E. 18
Reeve meta-andesite. Pennsylvanian: (87) Diller, J. S. 08
Relief quartzite. Mississippian: (100) Ferguson, H. G. 29a; (156) Lindgren, W. 00
Reward conglomerate. Pennsylvanian: (143) Kirk, E. 18
Ricardo formation. Pliocene (lower): (174) Merriam, J. C. 14e, 15f, 17, 19
Robinson formation. Pennsylvanian: (86) Diller, J. S. 92a, 08
Rodeo shale. Miocene (middle): (152) Lawson, A. C. 14a
Rosamond series. Tertiary: (122) Hershey, O. H. 02b, 02e; (175) Merriam, J. C. 19
Rose Canon shale. Eocene: (118) Hanna, M. A. 26
Sacramento formation. Devonian (middle): (222) Smith, J. P. 94a, 16
Sailor Canyon formation. Triassic (upper): (156) Lindgren, W. 00; (241) Turner, H. W. 94a
St. Helena rhyolite. Pliocene: (194) Osmont, V. C. 05
Salinas shale. Miocene (middle): (97) English, W. A. 18
Salmon hornblende schist. Pre-Cambian: (122) Hershey, O. H. 01
San Antonio formation. Pleistocene: (152) Lawson, A. C. 14a
Benito gravels. Pleistocene: (151) Lawson, A. C. 93b; (216) Schenck, H. G. 25
Bruno sandstone. Jurassic(?): (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
Diego formation. Pliocene (middle?): (78) Dall, W. H. 98; (95) Ellis, A. J. 19
Dimas formation, Quaternary(?): (93) Eckis, R. 28
Emedio series. Pre-Cambrian: (122) Hershey, O. H. 02a, 02e
Emigdio formation. Oligocene: (108) Gester, G. C. 17; (246) Wagner, C. M. 23
Francisco group. Late Tertiary and Franciscan (Jurassic?): (190) Newberry, J. S. 56
sandstone. Jurassic(?) and late Tertiary: (49) Blake, W. P. 57b; (151) Lawson, A. C. 95, 95a, 14a

Geologic units—Cont.
  Joaquin clays. Pliocene: (37) Anderson, F. M. 05
  Juan Bautista formation. Oligocene: (140) Kerr, P. F. 25
  Lorenzo formation. Oligocene: (39) Arnold, R. 06b; (67) Clark, B. L. 18b
  Luis formation. Jurassic(?): (99) Fairbanks, H. W. 04
  Mateo formation. Pliocene(?): (261) Woodford, A. O. 25
  Miguel cherts. Jurassic(?): (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
  Onofre breccia. Miocene (lower): (95) Ellis, A. J. 19; (261) Woodford, A. O. 25
  Pablo formation. Miocene (upper): (152) Lawson, A. C. 14a; (172) Merriam, J. C. 98
    series. Miocene (upper): (67) Clark, B. L. 18a, 21a
  Pedran epoch. Pleistocene: (122) Hershey, O. H. 02e
  Pedro formation. Pleistocene: (78) Dall, W. H. 98; (141) Kew, W. S. W. 23; (238) Tieje, A. J. 24
    schist breccia and sandstone. Miocene or Pliocene: (261) Woodford, A. O. 25
    shales. Eocene(?): (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
  Ramon formation. Oligocene(?): (67) Clark, B. L. 18b
  Timoteo beds. Pliocene (upper): (104) Frick, C. 21
Santa Ana. Triassic: (176) Merrill, F. J. H. 16
    limestone. Triassic: (223) Smith, J. P. 98a
    sandstone. Pliocene, upper or Quaternary, lower: (245) Vaughan, F. E. 22
  Barbara beds (also marls). Pliocene (upper): (64) Carson, C. M. 25; (223) Smith, J. P. 12b; (238) Tolman, C. F. 15
  Clara formation. Pliocene and Pleistocene: (56) Branner, J. C. 09; (75) Cooper, J. G. 94a
  Claran epoch. Pleistocene: (122) Hershey, O. H. 02e
  Lucia quartz diorite. Pre-Cretaceous: (151) Lawson, A. C. 93a; (240) Trask, P. D. 26
    series. Anzar phase of. Paleozoic: (216) Schenck, H. G. 25
      Pre-Franciscan (possibly pre-Cambrian): (223) Smith, J. P. 16; (259) Willis, B. 00
  Margarita formation. Miocene (upper): (99) Fairbanks, H. W. 04
  Maria formation. Pliocene and Pleistocene: (64) Carson, C. M. 25
    Paula formation. Lower Pliocene and Miocene?: (92) Eaton, J. E. 26f, 29
  Susana shale. Eocene (middle): (68) Clark, B. L. 24; (189) Nelson, R. N. 25
Saragossa quartzite. Probably Silurian or Devonian: (245) Vaughan, F. E. 22

Geologic units—Cont.
  Saugus formation. Pliocene, upper or Pleistocene, lower: (122) Hershey, O. H. 02b; (141) Kew, W. S. W. 23
  Sausalito chert. Jurassic(?): (39) Arnold, R. 02a; (151) Lawson, A. C. 03, 14a
  Sentinel granodiorite. Probably Cretaceous: (63) Calkins, F. C. 30
  Sespe formation. Oligocene and lower Miocene? (141) Kew, W. S. W. 24; (251) Watts, W. L. 97
  Shasta series. Lower Cretaceous: (105) Gabb, W. M. 69.
  Shasta-Chico series. Lower and upper Cretaceous: (86) Diller, J. S. 93
  Shoofly formation. Mississippian: (86) Diller, J. S. 92a, 08
  Siebert formation. Miocene (upper) (43) Ball, S. H. 07
  Sierra Blanca limestone. Eocene (upper): (189) Nelson, R. N. 25
  Sierran. Pliocene and Quaternary: (92) Eaton, J. E. 28; (122) Hershey, O. H. 02, 02e; (153) Le Conte, J. 99; (223) Smith, J. P. 10
  Siesta formation. Pliocene: (151) Lawson, A. C. 02a, 14a
  Silurian(?). Grizzly formation: (86) Diller, J. S. 92, 92a, 08
    Lone Mountain limestone: (43) Ball, S. H. 07; (114) Hague, A. 83
    Montgomery limestone: (86) Diller, J. S. 92a, 08
    Saragossa quartzite: (245) Vaughan, F. E. 22
  Silver Peak group. Lower Cambrian: (143) Kirk, E. 18
    Terrace sandstone. Jurassic(?): (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
  Simi conglomerate. Eocene (lower): (189) Nelson, R. N. 25
  Sobrante sandstone. Miocene (lower): (67) Clark, B. L. 18b; (152) Lawson, A. C. 14a
  Soledad division. Miocene (upper): (122) Hershey, O. H. 02b (141) Kew, W. S. W. 24
    group. Miocene (lower) or Oligocene: (138) Jordan, D. S. 19
  Sonoma group. Pliocene: (86) Dickerson, R. E. 22a
    tuff. Pliocene: (194) Osmont, V. C. 05
  Spanish formation. Mississippian: (86) Diller, J. S. 92, 95
  Staran series. Triassic (upper): (142) Keyes, C. R. 23b
  Stewartsville group. Eocene: (67) Clark, B. L. 18
  Stonewall quartz diorite. Jurassic. (post-Triassic and pre-Cretaceous): (132) Hudson, F. S. 22
  Suisun marble. Age unknown: (255) Whitney, J. D. 65
  Sur series. Pre-Franciscan (possible pre-Cambrian): (151) Lawson, A. C. 93a; (223) Smith, J. P. 09; (240) Trask, P. D. 26
  Surprise formation. Lower Paleozoic(?): (188) Murphy, F. M. 30a

Geologic units—Cont.

- Sutter formation. Eocene (?): (86) Dickerson, R. E. 16; (258) Williams, H. 29
- Swearinger slate. Upper Triassic: (86) Diller, J. S. 92a, 08
- Taft granite. Probably Cretaceous: (63) Calkins, F. C. 30
- Tank volcanics. Quaternary(?): (152) Lawson, A. C. 06a
- Tassajara lake(?) bed. Pliocene (probably): (75) Cooper, J. G. 94a
- Taylor meta-andesite. Mississippian: (87) Diller, J. S. 08
- Taylorsville formation. Devonian: (86) Diller, J. S. 92a, 08
- Tecuya beds. Miocene (lower): (67) Clark, B. L. 21a, 21b; (229) Stock, C. 20
- Tehachapi marble: (117) Hanks, H. G. 86
- Tejon formation. Eocene (upper): (67) Clark, B. L. 18; (105) Gabb, W. M. 69
- Telegraph Hill sandstone. Jurassic(?): (76) Crandall, R. 07a; (152) Lawson, A. C. 14a
- Telescope group. Lower Paleozoic(?): (188) Murphy, F. M. 30
- Temblor formation. Miocene (middle): (37) Anderson, F. M. 05, 08, 11, 14; (67) Clark, B. L. 21a: (223) Smith, J. P. 10
- Temescal formation. Recent: (152) Lawson, A. C. 14a
- Tequepis sandstone. Miocene: (189) Nelson, R. N. 24, 25
- Tertiary. Black Mountain basalt flow. (43) Baker, C. L. 12; (133) Hulin, C. D. 25
  - Cuyama formation: (97) English, W. A. 16
  - Lang division: (122) Hershey, O. H. 02b; (141) Kew, W. S. W. 24
  - Mojave formation: (222) Smith, J. H. 00
  - Poway conglomerate: (95) Ellis, A. J. 19; (118) Hanna, M. A. 26
  - Rosamond series: (122) Hershey, O. H. 02b, 02e; (175) Merriam, J. C. 19
  - Warner basalt: (213) Russell, R. J. 28
  - Late. San Francisco group: (190) Newberry, J. S. 56
    - Tolenas marble: (250) Watts, W. L. 90
- Thompson limestone. Jurassic, middle: (86) Diller, J. S. 92a, 08
- Tice shale. Miocene (middle): (152) Lawson, A. C. 14a
- Tightner formation. Mississippian: (100) Ferguson, H. G. 29a
- Tolenas marble. Probably late Tertiary or Quarternary: (250) Watts, W. L. 90
- Tomales Bay deposits. Pleistocene: (194) Osmont, V. C. 05
  - formation. Upper Pleistocene: (86) Dickerson, R. E. 22a
- Topanga formation. Miocene (middle): (141) Kew, W. S. W. 23
- Topatopa formation. Eocene: (95) Eldridge, G. H. 07; (141) Kew, W. S. W. 24

Geologic units—Cont.

- Toro formation. Lower Cretaceous: (99) Fairbanks, H. W. 04
- Torrey sand. Eocene. (118) Hanna, M. A. 26
- Trabuco formation. Cretaceous: (195) Packard, E. L. 16
- Trail formation. Lower Jurassic: (86) Diller, J. S. 92a, 08
- Trampan formation. Miocene (upper): (151) Lawson, A. C. 02a, 14a
- Tres Pinos sandstone. Eocene: (216) Schenck, H. G. 25
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